

# PCC Dual Credit

Earn College Credit While in High School

2012–2013 Annual Report



**Portland  
Community  
College**

# PCC MISSION STATEMENT

**P**ortland Community College advances the region's long-term vitality by delivering accessible, quality education to support the academic, professional, and personal development of the diverse students and communities we serve.

The college focuses on the core themes of:

- access and diversity
- student success
- quality education
- economic development and sustainability to fulfill this mission

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# PCC DUAL CREDIT STAFF

**Beth Molenkamp**

*Program Coordinator*

Phone: 971-722-7736

Fax: 971-722-7805

[elizabeth.molenkamp@pcc.edu](mailto:elizabeth.molenkamp@pcc.edu)

**Jacqlyn Proper**

*Administrative Assistant*

Phone: 971-722-7737

Fax: 971-722-7805

[istephan@pcc.edu](mailto:istephan@pcc.edu)

**Lynn Wilson-Dean**

*Program Manager*

Phone: 971-722-7735

Fax: 971-722-7805

**Kendra Cawley**

*Dean of Academic Affairs*

Phone: 971-722-(4481 or 7732)

[kcawley@pcc.edu](mailto:kcawley@pcc.edu)

**Christine Chairsell**

*VP of Academic and  
Student Affairs*

Phone: 971-722-4005

[christine.chairsell@pcc.edu](mailto:christine.chairsell@pcc.edu)

**MAILING ADDRESS**

PCC Dual Credit  
17705 NW Springville Road  
Portland, Oregon 97229

**STAY CONNECTED**

Website: <http://www.pcc.edu/dualcredit>

Wiki Space: <http://goo.gl/4ffSJZ>



For deadline reminders, events and photos, joins us on Facebook and Twitter! Search for PCC Dual Credit.

# PCC DUAL CREDIT-WHAT IS IT?

Portland Community College has provided the opportunity for high school students to earn college credit while still in high school for decades. Students who complete courses taught in the high school building by qualified faculty that provide the same rigor and content as a on-campus college class can earn PCC credit.

The high school teacher must have the same qualifications that an on-campus faculty member does, and the course must provide the same content, course materials and outcomes. When these requirements are met the course is considered “articulated” with a PCC course and students can take it for college credit.

Students can earn PCC credit in:

- University Transfer courses that count toward a Bachelor’s degree in subject areas like Literature, Engineering, Health, History, Math and Music
- Career & Technical Education courses, which lead to an Associate’s degree or certificate in programs such as Automotive Service Technology, Computer Applications Systems, Early Education & Family Studies, Welding, and Building Construction Technology

**During 2012-13, there were 612 “articulated” Portland Community College courses taught at area high schools by approximately 149 approved high school faculty. These articulated courses provided 4,568 students the opportunity to transition smoothly to the next level of college courses following their high school graduation.**

## Benefits to Students:

- Increased enthusiasm and motivation among students
- Enhances ability and skills to do college level work and aids students in gaining confidence for college success
- Save money by receiving free college credit
- Shorten amount of time, after high school, required to complete college
- PCC credits are transferable to all college/universities within the Oregon University System, and many other institutions outside the state
- Research shows Dual Credit students are more likely to finish college and earn more credits by the 2nd year of college
- Students may earn enough credit to gain advanced standing when admitting to college full-time and are entitled to register earlier for classes
- Students entering the military may earn higher rank with earned college credit

## Benefits to High Schools & PCC:

- Increased enthusiasm and motivation among instructors
- Brings Portland Community College and high school administrators and faculty together to develop curriculum, share instructional methods, ideas and experiences that benefit the students
- Reduced redundancy of courses between high school and college
- Coordinated curriculum helps to assure students meet college standards
- Increased rigor of classes
- Meets the goals of new achievement compacts for students to earn 9 college credits before graduation
- High school students who earn credit are more likely to finish college on time which helps meet requirements of completion agenda

*“The Dual Credit program helped my students understand the college course rigor.”*

- Greg Ptaszynski, Sherwood High School PCC Dual Credit Faculty

# INSTRUCTOR QUALIFICATIONS

All classes offered for Dual Credit must be taught by an instructor who meets the qualifications required for each subject area. Requirements vary depending on the type of class offered. Below, you will find general guidelines of what expectations a teacher must meet based on the type of class offered.

## **For Career & Technical Education (CTE) Instructors:**

There are six ways to qualify, ranging from having a Master's Degree in the subject area and 3-years recent full time industry experience to an Associate's Degree and 5-years recent full time industry experience.

Listed below are the different criteria (any one of them) in general that a CTE instructor would need to qualify. For specific PCC Instructor Qualifications visit <http://www.pcc.edu/resources/academic/instructor-qualifications/index.html>.

- Master's degree in subject area and 3 years recent full time, non-teaching experience in the field
- Master's degree in related area plus 30 quarter hours graduate credit in upper division coursework in subject area, and 3 years recent full time, non-teaching experience in the field
- Bachelor's degree in subject area and 4 years recent full time, non-teaching work experience in the field
- Bachelor's degree in related area plus 30 quarter hours graduate credit in upper division coursework in subject area, and 4 years recent full time, non-teaching experience in the field
- AAS degree in subject area or professional education plus 5 years recent full time, non-teaching work experience in the field
- Demonstrated competency and/or qualifications set by licensing organizations in the field

## **For University Transfer Instructors:**

The high school instructor would have to "qualify" as a college University Transfer instructor, which means they would need to have a Master's Degree in the subject area or related area (defined by the department).

Listed below are the different criteria (any one of them) a University Transfer instructor would need to qualify. For specific PCC Instructor Qualifications visit <http://www.pcc.edu/resources/academic/instructor-qualifications/index.html>.

- Master's degree in subject area
- Master's degree in related area plus 30 quarter hours graduate credit in subject area
- Demonstrated competency in field

High School instructors must provide the PCC Dual Credit program with a copy of their college transcripts and current detailed Curriculum Vitae (CV) or resume. Career & Technical Education instructors should also include a detailed work history summary of related industry experience. An unofficial copy of the transcript is acceptable to submit as long as it details the degree conferred and date of completion.

High School instructors who are interested in becoming approved to offer Dual Credit for their classes should send the about mentioned items to: Beth Molenkamp, PCC Dual Credit Coordinator by email at [elizabeth.molenkamp@pcc.edu](mailto:elizabeth.molenkamp@pcc.edu), by mail at 17705 NW Springville Road, Portland Oregon 97229 or by fax to 971-722-7805.

# COURSE APPROVAL

**A**ll PCC courses must have a syllabus on record for each class taught. **Dual Credit classes are required to provide a syllabus to their students and to have one on file with the Dual Credit office by October 1st of every school year.** The following items must be included in a PCC Dual Credit syllabus.

1. High school name, faculty name, office location, office hours, phone number and extension, and email address
2. High school course title and equivalent articulated PCC course title and number (example: Advanced Senior English, PCC WR 121-English Composition). Note overall contact/instructional hours for your course (must meet minimum stated on PCC's Course Content and Outcome Guides at [www.pcc.edu/ccog](http://www.pcc.edu/ccog))
3. Current academic year: include link to PCC Dual Credit website for Academic Calendar deadlines and/or reference PCC Dual Credit Student Handbook
4. Course description or course outcomes from PCC's CCOG at [www.pcc.edu/ccog](http://www.pcc.edu/ccog)
5. High school course prerequisites, if any
6. Instructional materials (e.g. textbooks, supplies, equipment)
7. Grading criteria: clearly note if there are additional curriculum requirements for college credit
8. PCC Grading Guidelines Statement: *For specific information related to PCC grading guidelines, please refer to the PCC Dual Credit Student Handbook accessible through your high school instructor and located at [www.pcc.edu/dualcredit](http://www.pcc.edu/dualcredit). Information related to Add/Drop/Withdraw deadlines is also detailed in the Student Handbook.*
9. Attendance and make-up policies
10. Code of Student Conduct: reference your district policy and PCC's Policy at [www.pcc.edu/about/policy/student-rights/student-rights.pdf#code-of-student-conduct](http://www.pcc.edu/about/policy/student-rights/student-rights.pdf#code-of-student-conduct)
11. Flexibility statement: *The instructor reserves the right to modify course content and/or substitute assignments and learning activities in response to institutional, weather or class situations.*
12. Schedule of Learning Activities: schedule of textbook readings, assignments, tests, projects, etc. assigned weekly for the course. Include major assignments and due dates.

**In addition to the above required items, it is suggested that instructors include the following:**

1. Faculty classroom website(s)
2. Links to PCC's website at [www.pcc.edu](http://www.pcc.edu) and PCC Dual Credit's at [www.pcc.edu/dualcredit](http://www.pcc.edu/dualcredit)
3. On-Campus Resources (eg. Online Tutoring, Library, My GRADPlan and MyPCC)
4. Academic Integrity Statement: *Dishonest activities such as cheating on exams and submitting or copying work done by others will result in disciplinary actions including but not limited to a failing grade. See Academic Integrity Policy at [www.pcc.edu/about/policy/student-rights/student-rights.pdf#academic-integrity](http://www.pcc.edu/about/policy/student-rights/student-rights.pdf#academic-integrity).*
5. Equal Opportunity Statement: see PCC's at [www.pcc.edu/about/affirmative-action/EEOstatement.html](http://www.pcc.edu/about/affirmative-action/EEOstatement.html).

# ARTICULATION AGREEMENTS

Once an instructor and the course are approved, the PCC Dual Credit office will create an Articulation Agreement to be signed by PCC and the high school. The agreement states the responsibilities of both the high school and the college and is signed by the high school faculty and principal, the college faculty partner, Division Dean, Dual Credit Coordinator, and VP of Academic & Student Affairs.

Newly approved Dual Credit instructors will have an Articulation Agreement for Initial Approval. This initial articulation agreement will be for the current school year. If after the initial school year there are no changes to the agreement, and the course meets college expectations, then a 3-Year Renewal Articulation Agreement will be signed.

# COURSE ASSESSMENTS

Oregon developed the Dual Credit Standards to assure the quality of, and consistency between instruction of Dual Credit offerings at community colleges throughout the state. The Dual Credit program at Portland Community College (PCC) received approval in 2011. Part of that approval is dependent on ongoing, regular assessment of programs. The assessment section, A2, of the Oregon Dual Credit Standards states, "Every section of a (previously approved) course offered through dual credit is regularly reviewed by faculty from that discipline and Dual Credit staff to assure that grading standards meet or exceed those in on-campus sections."

High School and PCC faculty involvement in this process is not only necessary, but also helps assure quality of programs, and develops collegial relationships. Assessments can vary from evaluation of posted syllabi on the PCC Dual Credit Wiki Space, classroom site visits, workshops or other ideas that faculty consider relevant and valid. The course assessment component of Dual Credit promises that the course offered at the high school meets or exceeds the rigor, pedagogy, and outcomes of the course offered on the college campus.

Courses that are within a 1-Year Initial PCC Dual Credit Articulation Agreement must be assessed within that academic year. Courses that are part of a 3-Year Renewal PCC Dual Credit Articulation Agreement are allowed more flexibility of being assessed at least once during the three years noted on the agreement.

In 2012-13, PCC Dual Credit involved,  
18 school districts,  
47 high schools,  
149 articulating faculty members,  
183 articulation agreements,  
and 47 PCC programs.

# OREGON DUAL CREDIT STANDARDS

Oregon's Dual Credit programs create the opportunity for our students to take college-level courses while still in high school. The Dual Credit Task Force found that, in 2005-06, one in seven Oregon juniors and seniors took advantage of this opportunity, saving approximately \$9 million in tuition. Through its pilot analysis of the subsequent academic performance of these students, the Task Force also found that "in most cases, Dual Credit students match or outperform their college-prepared counterparts in both community college and university settings."

Thus, Dual Credit is currently a viable option for qualified students to begin post secondary learning early, and it can contribute significantly to meeting Oregon's 40-40-20 goal. As Dual Credit programs grow, it is important to have a consistent set of standards and ways to ensure the standards are met. This is the impetus for adopting the Oregon Standards for Dual Credit "College Now" Programs. Guided by those standards the Task Force specifically recommends

- **Strengthening faculty connections**
  - ◇ Regular, collegial interactions between high school faculty and their counterparts at sponsoring college and universities are key to the success of these programs. Such interactions characterize some programs already, but they need to be developed and maintained throughout the state.
  - ◇ The pool of high school teachers qualified to participate in dual credit programs should be expanded.
- **Adopting systematic application and review processes for Dual Credit programs**
  - ◇ A standardized application process for new programs is needed
  - ◇ Individual programs should take advantage of system-level (CCWD and OUS) studies of the subsequent academic performance of Dual Credit students. These biennial studies, which were piloted in AY2007-08, will be supplemented on the "off year" by more focused analysis of questions or trends that emerge from the data (for example: persistence of dual credit students in math or writing).
  - ◇ A sustainable means for verifying program quality is needed.
- **Enhancing public understanding of Dual Credit programs**
  - ◇ Dual Credit programs should be continuously and effectively publicized. They should be recognized as one of the key paths for academic acceleration.
  - ◇ Evidence of best practices and student success should be gathered systematically and shared regularly – both with faculty in the programs and with the public.

The Dual Credit program at Portland Community College takes these recommendations to heart and uses them to guide the growth and maintenance of the program. During the 2012-13 school year we developed marketing materials, conducted workshops and held meetings to assist faculty and create partnerships. We provide handbooks for faculty and students to make sure they have the information they need to be successful. We continue to research ways to strengthen our program and to publicize the great work that's being done by our teachers and students. The Oregon Dual Credit Standards are divided into four categories with expectations listed in each subcategory are listed on the next page.



|                   |   |
|-------------------|---|
| Curriculum 1 (C1) | College or university courses administered through a dual credit program are catalogued courses and approved through the regular course approval process of the sponsoring college or university. These courses have the same departmental designation, number, title, and credits as their college counterparts, and they adhere to the same course descriptions.  |
| Curriculum 2 (C2) | College or university courses administered through a dual credit program are recorded on the official academic record for students at the sponsoring college or university.   |
| Curriculum 3 (C3) | College or university courses administered through dual credit programs reflect the pedagogical, theoretical and philosophical orientation of the colleges' and universities' sponsoring academic departments.  |
| Faculty 1 (F1)    | Instructors teaching college or university courses through dual credit meet the academic requirements for faculty and instructors teaching in post-secondary institutions as stipulated by the respective academic departments.   |
| Faculty 2 (F2)    | The post secondary institution provides high school instructors with training and orientation in course curriculum, assessment criteria, course philosophy, and dual credit administrative requirements before certifying the instructors to teach the college/university courses.  |
| Faculty (F3)      | Instructors teaching dual credit sections are part of a continuing collegial interaction, through professional development, seminars, site visits, and ongoing communication with the post-secondary institutions' faculty and dual credit administration. This interaction addresses issues such as course content, course delivery, assessment, evaluation, and professional development in the field of study. |
| Students 1 (S1)   | High school students enrolled in courses administered through dual credit programs are officially registered or admitted as degree-seeking, non-degree or non-matriculated students of the sponsoring post-secondary institution.   |
| Students 2 (S2)   | Post-secondary institutions outline course requirements and prerequisites.  |
| Students 3 (S3)   | High school students are provided with a student guide that outlines their responsibilities as well as guidelines for the transfer of credit.   |
| Assessment 1 (A1) | Dual credit students are held to the same standards of achievement as those expected of students in on-campus sections.   |
| Assessment 2 (A2) | Every section of a course offered through dual credit is regularly reviewed by faculty from that discipline and dual credit staff to assure that grading standards meet or exceed those in on-campus sections.  |
| Assessment 3 (A3) | Dual credit students are assessed using similar methods (e.g. papers, portfolios, quizzes, labs, etc.) as their on-campus counterparts.   |

# OREGON DUAL CREDIT SURVEYS

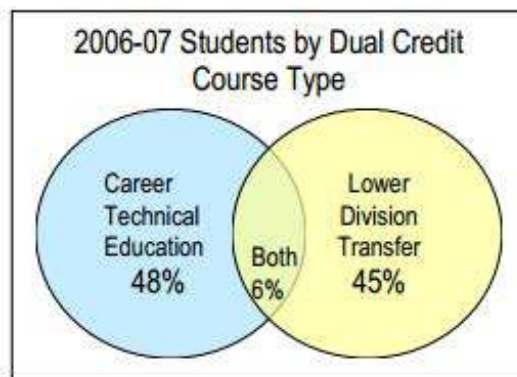
## DO DUAL CREDIT STUDENTS CONTINUE IN POST-SECONDARY EDUCATION?

The 2,104 high school students enrolled in PCC Dual Credit courses in 2006-07 were tracked for subsequent enrollment at a post-secondary institution. A four-year time period was evaluated since the cohort included all grade levels of PCC Dual Credit students and not just those who were high school seniors.

Findings:

**Approximately 77% (1,614 students) enrolled in a college or university.**

- Of these students, 782 attended PCC and 832 enrolled elsewhere.
- Those enrolling elsewhere were likely to attend Oregon State University (178 students), Portland State University (121 students) or University of Oregon (104 students).
- Of the 900 students who completed University Transfer division transfer dual credit courses and enrolled in college.
  - ◊ 350 attended PCC and
  - ◊ 550 attended an institution other than PCC.
- Of the 832 former Career & Technical Education students who enrolled in college
  - ◊ More than one-half (494 students) chose PCC and
  - ◊ 338 enrolled in an institution other than PCC.



Notes:

*PCC Dual Credit students were identified as being enrolled in CRNs with P or A session codes.*

*A total of 2,104 records were to the National Clearinghouse. Records were not returned for students enrolled at institutions that do not participate in the Clearinghouse or for students who have privacy blocks.*

*Students who completed both Career & Technical Education and University Transfer courses and enrolled in college are included with each course type (double counted). Thus the combined found enrolled in higher education (900+832) is more than the unduplicated count (1,614) of students in higher education.*

PCC Office of Instructional Effectiveness, July 2011; Im:PAVTECStudentFollow-up\_2011.doc

## DO HIGH SCHOOL STUDENTS WHO TAKE DUAL CREDIT COURSES SUCCEED WHEN THEY GO ON TO COLLEGE?

An array of evidence from the OUS Office Institutional Research, working with the Office of Community College and Workforce Development says that dual credit students do succeed:

- *Dual credits students have a higher college participation rate than high school graduates overall.* Of Oregon's dual credit seniors in 2007-08, 81.4% continued on to some form of post-secondary education by the following winter, compared to 72.6% of Oregon's high school graduating class of 2005, the last year statewide participation rates were available.
- *Dual credit students who go on to college continue to the second year at a higher rate than freshmen who enter college without having earned dual credit.* Within the cohort of freshmen who entered OUS in fall 2008, 87.0% of those who took dual credit in 2007-08 continued to the second year of college, compared to 79.9% of those who did not. The correlation between dual credit enrollment and freshman persistence exists even after controlling for academic strength and other predictive influences on student advancement.
- *Among freshmen who continue to the second year of college, dual credit participants earn a higher first year GPA.* For the population of freshmen entering OUS in 2008-09 and returning the following year, those who took high school dual credit in 2007-08 completed the first year of college with an average GPA of 3.13, compared to 2.97 for those who did not take dual credit.
- *Students who continue to the second year of college accumulate more college credit if they take dual credit in high school.* In 2008-09, among freshmen new to OUS who returned the following year, dual credit and non-dual credit students alike completed an average of 44 credits. But dual credit students amassed far more cumulative credit. By the start of the second fall, they had accumulated 61.3 college credits, more by almost a full term's worth than the 49.8 credits accumulated by their classmates who took no dual credit in high school.

The short answer to the question is yes.

The 2010 Follow-up Study of Dual Credit in Oregon identifies a number of core University Transfer sequences—in writing, math, and Spanish—where success in the final course of the sequence can be presumed to depend on knowledge gained in the prerequisite. When dual credit students who take the prerequisite in high school and the final course in college are compared to their college classmates who take the entire sequence in college, it turns out they pass the final course in proportions that are substantially equivalent to those of their college-prepared classmates. It follows that dual credit high school instruction must have done as good a job as college-situated instruction in readying students for the final course of the sequence.

*“Students taking CG 100 (College Success and Survival) and CG 140 (Career and Life Planning) through Dual Credit develop a vision for their lives and embark on a journey to create the lives they want to live.”*

-Jim Lekas, Early College High School PCC Dual Credit Faculty

*“One of the best things about PCC Dual Credit is knowing the kids are saving money. It is like a scholarship.”*

-Jeff Smith, Sunset High School Faculty

# OREGON ACHIEVEMENT COMPACTS

## DUAL CREDIT'S ROLE IN THE NEW OREGON ACHIEVEMENT COMPACTS

Under the leadership of Governor John Kitzhaber and the Oregon Education Investment Board (OEIB) a set of educational goals for the state were developed. They were titled the Achievement Compact. Dual Credit meets goals of the compacts in the “College and Career Ready” component. This section requires that all high school students earn nine or more college credits before their high school graduation. At first glance this might appear a challenging goal to meet. However, PCC Dual Credit has been doing just that since 1998.

Students earn college credit from PCC at no financial cost. They develop the college readiness skills needed to transition to college to earn a degree or certificate. In Career and Technical Education (CTE) courses students develop technical and work readiness skills that prepare them for a career as well as further education. Additionally, the college level qualifications of the approved teachers and the articulated coursework raise the rigor of the high school experience. This system also supports the mandate for equity within the Achievement Compacts. Any school can participate as long as there are qualified teachers willing to coordinate their programs with PCC guidelines.

The Oregon Legislature’s broad steps towards renewing their efforts to support, fund, and monitor the progress of education in the state led to the development of the Achievement Compacts. The Governor and the Oregon Education Investment Board (OEIB) are committed to implementing these compacts.

The goal that Oregon becomes a universally well-educated state is defined in Senate Bill 253 (2011), which defines the state’s goals for high school and completion by 2025 to be:

- 40% of adult Oregonians have earned a bachelor’s degree or higher;
- 40% of adult Oregonians have earned an associate’s degree or post-secondary credential as their highest level of educational achievement; and,
- The remaining 20% or less of all adult Oregonians have earned a high school diploma, an extended or modified high school diploma, or the equivalent of a high school diploma as their highest level of achievement.



Because PCC Dual Credit provides an opportunity for students to start earning college credits before graduation they can begin to meet the requirements of a certificate or degree for no financial cost . This will shorten the amount of time and money that they have to spend earning a degree and help meets the goals of the achievement compacts.

PCC Dual Credit will continue to strengthen the connections between high schools and community colleges as well as collaborating and aligning courses between community college and the Oregon University System. We will continue to share our strategies, collaborate and work to align courses for Dual Credit to provide educational opportunities for the students of Oregon.

In 2012-13, 1,754 students who registered for PCC Dual Credit earned 9 or more PCC college credits to date through Dual Credit (or another PCC program).

# Achievement Compacts for 2012-13

Outcome Measure for Progress, Completion and Connections Across the P-20 Continuum

|                               | Early childhood<br>K-12<br>Connections     | Progress<br>through<br>K-12  | K-12<br>Completion  | High School<br>College<br>Connections   | Progress<br>through<br>College  | College<br>Completion  | Connections<br>CC's<br>Colleges<br>Work/Society   |
|-------------------------------|--|--|---|---|---|--|---|
| <b>Early<br/>childhood*</b>   | Kindergarten<br>readiness***               |  |   |   |   |  |   |
| <b>K-12</b>                   | Kindergarten<br>readiness<br>assessment*** | 3rd Grade Reading<br>3rd Grade math<br>6th Grade<br>attendance<br>9th Grade<br>attendance/credits<br>Focus/priority<br>schools | 4-year graduation<br>rate<br>5-year graduation<br>rate<br>5-year completion<br>rate (GEDs,<br>modified,<br>high school<br>diplomas) | Earning 9+<br>college credits in<br>high school<br>Post-secondary<br>enrollment within<br>16 months   |  |  |   |
| <b>Community<br/>Colleges</b> |  |    |   | Dual enrolled in<br>high school<br>Adult high school<br>diplomas/GEDs<br><br>Oregon<br>freshmen<br>entering with high<br>school dual credit |   | Dev. writing<br>completers<br>Dev. math<br>completers<br>Earn 15/30<br>credits/year<br>Pass national<br>licensure exam | Certificates/Oregon<br>Transfer Module<br>Associate Degrees<br>Programs of<br>study***  |
| <b>University<br/>System</b>  |  |  |   |   |   |  | BA/BS degrees<br>-- Oregonians<br>-- Rural Oregonians<br>Advanced<br>degrees<br>Employment**<br>Employer &<br>alumni<br>satisfaction*** |

\* Contracts to take effect in 2013-15  
 \*\* To be completed during 2012-13  
 \*\*\* Under development for 2013-14

# CREATING PARTNERSHIPS

**P**CC Dual Credit strives to create partnerships between the community college and high school faculty. Some of the opportunities for partnership and professional development that we sponsored during the 2012-13 school year are listed below.

## **ARTICULATION CONNECTION MEETINGS**

**C**onnections meetings bring together PCC leadership and faculty, and high school faculty with a goal to strengthen partnerships and improve programs. During the 2012-13 school year, 16 different Connections meetings were held, covering 20 different program areas with 189 total participants. The meetings were focused on the new Oregon Dual Credit Standards, course content, course delivery, assessment, evaluation, and professional development in the field of study.

The Connections meetings are critical in meeting the Oregon Dual Credit Standards and assuring that both the high school and college instructors are part of a continuing collegial interaction through professional development, seminars, site visits, and ongoing communication.

## LOOK AT WHAT WE CAN DO FOR YOU!

**D**uring our annual Articulation Connection Meetings we ask our participants, "What can we (Dual Credit program) do for you?" This past year we had several excellent requests come forward from the high school and PCC faculty. Below is a brief overview of a few of the events that were coordinated.

### **FIRST ANNUAL PCC DUAL CREDIT HISTORY SUMMIT**

**T**he First Annual PCC Dual Credit History Summit, "History & Memory of WWII" was generated from a brainstorming session between the PCC and High School History Faculty. Articulating history high school faculty and 140 of their Dual Credit students were shuttled in PCC buses to the Sylvania Campus on Saturday, May 18, 2013.

Keynote Speaker Sonia Marie Leikam, Executive Director of the Oregon Holocaust Resource Center, spoke of how WWII affected the west coast and citizens of Oregon. Students then attended two of the following breakout sessions that were presented by PCC History Faculty: More Than Rosie the Riveter: Women During WWII, History & Memory: The Smithsonian Enola Gay Exhibit Controversy, Vanport: The Forgotten City, Why Did Japan Attack the U.S. at Pearl Harbor?, Japanese Internment (internment camp survivor presented), The Meanings of the Holocaust, and Liberty High School Documentary Presentations.

The response from the students were extremely positive.

- *"The favorite session I attended was the holocaust. This experience had my undivided attention."*
- *"Vanport city presentation was amazing and it made me want to take another history class in the future."*
- *"I thought the summit was a fun experience and interesting way to learn new things, gain the experience of being on a college campus and experiencing college classes and also meeting new people. Thank you so much for giving us this opportunity."*

The 2nd Annual PCC Dual Credit History Summit on Civil Rights will be held on Saturday, May 17, 2014 at PCC Rock Creek Campus.

## SERENITY STUDIO CHAIR WORKSHOP WITH ANDY CHIDWICK

The PCC Dual Credit program had multiple requests from our articulating Building Construction Technology high school faculty to coordinate a workshop with renowned fine woodworker Andy Chidwick. Each participant received the opportunity to create their own Serenity Studio Chair during a week long workshop that was held at the PCC Rock Creek Campus.

- *“This, without a doubt was the best learning opportunity I have had in 20 years of teaching.”*
- *“Best and coolest class I have ever taken! I’ve learned way more than I ever expected. Awesome opportunity!”*



The high school faculty came away from the workshop with skills in sculptural woodworking, joinery, bent laminations, pattern layout, furniture design, fine woodworking, woodworking safety and instructional techniques that they will be able to incorporate into their classrooms.

## PCC DUAL CREDIT MATH FACULTY WORKSHOP

The PCC Math Faculty created partnership teams with high school Dual Credit faculty. Each team will meet with their high school faculty at least once a year, as well as complete a course assessment every three years to meet the new requirements of the Oregon Dual Credit Standards.

A two-day workshop was held as a kick-off to this renewed partnership between the high schools and PCC. The workshop provided a chance for the high school faculty to work one-on-one with their Dual Credit lead (PCC Faculty) in updating their syllabi to meet PCC’s requirements. Several technical applications as well as online homework applications were overviewed; all faculty shared a learning tool or lesson that has worked successfully in their classroom.

## TEACHERS IN TRAINING (TinT) SESSIONS

Based on the success of our first TinT technology training we provided a second opportunity for teachers to learn more about the resources at PCC and how to infuse technology into their classes.

The training sessions were held on three PCC’s locations. Instruction was provided on the following applications: MyPCC, GRAD Plan, utilizing a ‘Flipped Classroom’, building a Google Site, and using the Dual Credit Wiki Space. Time was also allowed to update and post syllabi.

Attendees found these training sessions to be beneficial, so much so that the PCC Dual Credit program offered a Part II on Google Site development and will offer TinT sessions again in 2013-14.

## CONFERENCE & CERTIFICATION REIMBURSEMENT

The PCC Dual Credit offers financial support for high school faculty to attend conferences, workshops, certification renewals, and other professional development opportunities related to their articulated Dual Credit courses. For more information check the PCC Dual Credit website at [www.pcc.edu/dualcredit](http://www.pcc.edu/dualcredit).

## TUITION REIMBURSEMENT

Articulating high school instructors are eligible for tuition reimbursement for coursework taken at Portland Community College. Only PCC credit courses taken at PCC in the instructor’s subject area are reimbursable (prior approval is required). Contact the PCC Dual Credit office at 971-722-7737 .

# HIGHLIGHTS FOR 2012-13

In addition to the work we have done to provide quality professional development and strengthening partnerships we have also worked to increase our pool of high school Dual Credit faculty. We were able to gain approval of 17 new teachers-a 15% increase. We also had a 9% increase in total classes offered.

Our team of approved PCC Dual Credit High School Faculty and our PCC Faculty who support the high school programs continue to serve the community with outstanding educational opportunities.

## 17 NEW HIGH SCHOOL FACULTY MEMBERS APPROVED

| HIGH SCHOOL                | FACULTY           | PCC COURSE(S)                            |
|----------------------------|-------------------|--|
| Banks                      | Becky Hundley     | ENG 104, WR 121                          |
| Clark County Skills Center | Tony Shaver       | CJA 111, CJA 112                         |
| Forest Grove               | Ben Crabtree      | BI 101, 102                              |
| Forest Grove               | Jessica Gordon    | MP 109                                   |
| Franklin                   | Kathryn Moore     | J 102, J 103                             |
| Glencoe                    | Brooke Nova       | CG 130                                   |
| Grant                      | Paige Battle      | ED 109, ED 111, ENG 104                  |
| Horizon Christian          | Michael Gump      | EC 202                                   |
| Liberty/NWRES D            | William Tuning    | EMS 120, FP 101, FP 133, FP 201, FP 280B |
| Life Christian             | Erik Neill        | BI 121                                   |
| Life Christian             | Holly Neill       | ESR 172                                  |
| Portland YouthBuilders     | Jessica Pierson   | ART 115                                  |
| Rosemary Anderson          | Christina Friedle | GEO 298                                  |
| Sherwood                   | Lance Thurman     | BI 121, 122                              |
| St. Helens                 | Joe Osorio        | CAS 103, CAS 109, CAS 133                |
| Tigard                     | Nancy Mayer       | J 103                                    |
| Valley Catholic            | Amy Lacks         | BI 101, BI 102, BI 103                   |

*"If it wasn't for my (Dual Credit) teacher, I wouldn't be where I am now. He has really helped me realize that there are career opportunities for me."*

High School Junior, Westview High School



## 10 ARTICULATING FACULTY ADDED 16 NEW COURSES

| HIGH SCHOOL            | FACULTY          | PCC COURSE(S)                |
|------------------------|------------------|------------------------------|
| Aloha                  | Katja Freeborn   | GER 103                      |
| Beaverton              | Kathryn Robinson | MSD 121, 123, 160A, 174, 194 |
| Early College          | Megan Brooke     | CG 101                       |
| Early College          | Maggie Brown     | CG 101                       |
| Early College          | Jim Lekas        | CG 101                       |
| Liberty/NWRESA         | Rodney Linz      | FP 201                       |
| Newberg                | Drea Ferguson    | TA 141, TA 148               |
| Portland YouthBuilders | Annie Marges     | CG 100                       |
| Rex Putnam             | Kelley Marchant  | TA 142                       |
| Tigard                 | Frank Caro       | PSY 201A, PSY 202A           |

### TOP 5 ARTICULATING HIGH SCHOOLS

| CREDITS EARNED |              |       |
|----------------|--------------|-------|
| 1.             | Sherwood     | 3,713 |
| 2.             | Tigard       | 3,596 |
| 3.             | Newberg      | 2,526 |
| 4.             | Franklin     | 2,045 |
| 5.             | Forest Grove | 1,681 |

| UNDUPLICATED STUDENTS |              |     |
|-----------------------|--------------|-----|
| 1.                    | Sherwood     | 476 |
| 2.                    | Franklin     | 390 |
| 3.                    | Tigard       | 313 |
| 4.                    | Forest Grove | 267 |
| 5.                    | Newberg      | 248 |

### TOP 5 ARTICULATING FACULTY

| CREDITS EARNED |                    |       |
|----------------|--------------------|-------|
| 1.             | Dave Unis          | 1,764 |
| 2.             | Teresa Swake       | 1,425 |
| 3.             | Greg Ptaszynski    | 1,060 |
| 4.             | Catherine Kernodle | 788   |
| 5.             | Theresa Hawkins    | 741   |

| DUPLICATED STUDENTS |                 |     |
|---------------------|-----------------|-----|
| 1.                  | Dave Unis       | 441 |
| 2.                  | Theresa Hawkins | 438 |
| 3.                  | Rob Brauer      | 309 |
| 4.                  | Clara Cook      | 308 |
| 5.                  | Teresa Swake    | 301 |

# SAVINGS AND DIRECT COSTS TO STUDENTS

| SCHOOL                     | UNDUPLICATED STUDENTS* | CREDITS EARNED | COSTS | SAVINGS   |
|----------------------------|------------------------|----------------|-------|-----------|
| Alliance at Meek           | 6                      | 25             | FREE  | \$2,050   |
| ACMA                       | 6                      | 20             | FREE  | \$1,640   |
| Aloha                      | 103                    | 650            | FREE  | \$53,300  |
| Banks                      | 41                     | 552            | FREE  | \$45,264  |
| Beaverton                  | 143                    | 602            | FREE  | \$49,364  |
| BSD Options Program        | 134                    | 694            | FREE  | \$56,908  |
| Benson                     | 120                    | 1,020          | FREE  | \$83,640  |
| Canby                      | 56                     | 189            | FREE  | \$15,498  |
| Central Catholic           | 183                    | 732            | FREE  | \$60,024  |
| Century                    | 114                    | 394            | FREE  | \$32,308  |
| Clark County Skills Center | 59                     | 291            | FREE  | \$23,862  |
| Cleveland                  | 154                    | 1,357          | FREE  | \$111,274 |
| Early College              | 183                    | 586            | FREE  | \$48,052  |
| Forest Grove               | 267                    | 1,681          | FREE  | \$137,842 |
| Franklin                   | 390                    | 2,045          | FREE  | \$167,690 |
| Gaston                     | 32                     | 138            | FREE  | \$11,316  |
| Glencoe                    | 246                    | 1,390          | FREE  | \$113,980 |
| Grant                      | 96                     | 736            | FREE  | \$60,352  |
| Hillsboro                  | 74                     | 277            | FREE  | \$22,714  |
| Horizon Christian          | 27                     | 271            | FREE  | \$22,222  |
| Jefferson                  | 17                     | 71             | FREE  | \$5,822   |
| Lake Oswego                | 18                     | 42             | FREE  | \$3,444   |
| Lakeridge                  | 106                    | 814            | FREE  | \$66,748  |
| Liberty                    | 167                    | 1,332          | FREE  | \$109,224 |
| Life Christian             | 13                     | 52             | FREE  | \$4,264   |
| Madison                    | 112                    | 448            | FREE  | \$36,736  |
| McMinnville                | 32                     | 128            | FREE  | \$10,496  |

| SCHOOL                 | UNDUPLICATED STUDENTS* | CREDITS EARNED | COSTS       | SAVINGS            |
|------------------------|------------------------|----------------|-------------|--------------------|
| Merlo Station          | 18                     | 93             | FREE        | \$7,626            |
| Newberg                | 248                    | 2,526          | FREE        | \$207,132          |
| Portland YouthBuilders | 31                     | 123            | FREE        | \$10,086           |
| Rex Putnam             | 30                     | 120            | FREE        | \$9,840            |
| Riverdale              | 25                     | 100            | FREE        | \$8,200            |
| Rosemary Anderson      | 14                     | 59             | FREE        | \$4,838            |
| Sabin-Schellenberg     | 66                     | 270            | FREE        | \$22,140           |
| Scappoose              | 11                     | 22             | FREE        | \$1,804            |
| Sherwood               | 476                    | 3,713          | FREE        | \$304,466          |
| South Albany           | 86                     | 259            | FREE        | \$21,238           |
| Southridge             | 54                     | 220            | FREE        | \$18,040           |
| St. Helens             | 62                     | 294            | FREE        | \$24,108           |
| Sunset                 | 42                     | 168            | FREE        | \$13,776           |
| Tigard                 | 313                    | 3,596          | FREE        | \$294,872          |
| Tualatin               | 35                     | 175            | FREE        | \$14,350           |
| Valley Catholic        | 18                     | 216            | FREE        | \$17,712           |
| Westview               | 78                     | 294            | FREE        | \$24,108           |
| William P. Lord        | 1                      | 2              | FREE        | \$164              |
| Wilson                 | 31                     | 93             | FREE        | \$7,626            |
| Wilsonville            | 31                     | 95             | FREE        | \$7,790            |
| <b>Totals</b>          | <b>4,568</b>           | <b>28,975</b>  | <b>FREE</b> | <b>\$2,375,950</b> |

\*Total number of individual students who received PCC Dual Credit.

## STUDENT ACHIEVEMENTS

Of the 4,568 students who registered for PCC Dual Credit for 2012-13

- 1,367 students earned, to date, between 9 and 20.5 PCC credits
- 322 students earned, to date, between 21 and 40 PCC credits
  - 65 students earned, to date, over 41 PCC credits through Dual Credit or another PCC program.

# CAREER & TECHNICAL EDUCATION

There were 2,496 Career & Technical Education (CTE) high school students who earned PCC Dual Credit during the 2012-13 school year, giving them a jump start on their post-secondary education. These students earned 10,524 PCC in CTE credits.

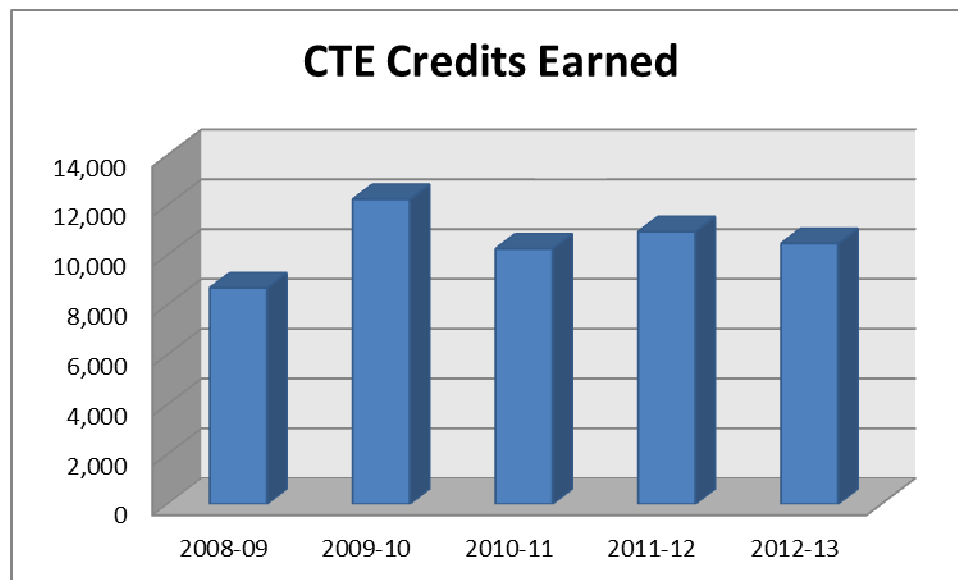
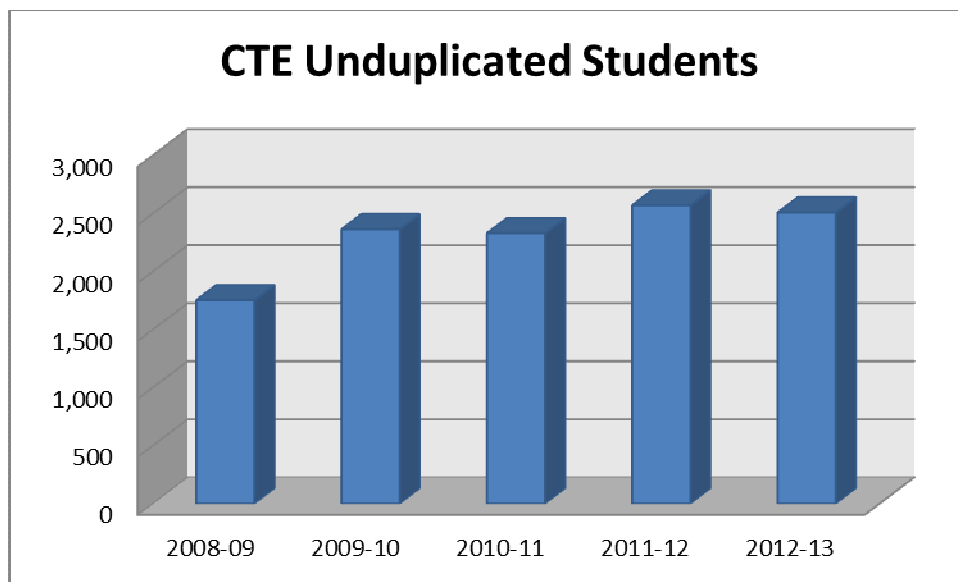
In 2012-13, there were 19 CTE program areas and 390 courses offered for Dual Credit. The following chart details how many students and credits were awarded in the specific PCC CTE program areas.

| PCC CTE PROGRAM AREA                    | SCHOOLS | FACULTY | UNDUPLICATED STUDENTS* | CREDITS EARNED |
|---|---------|---------|------------------------|----------------|
| Architectural Design & Drafting (ARCH)  | 8       | 8       | 113                    | 423            |
| Automotive Service Technology (AM)      | 7       | 6       | 61                     | 460            |
| Building Construction Technology (BCT)  | 10      | 11      | 305                    | 1,211          |
| Computer Aided Design & Drafting (DRF)  | 9       | 9       | 208                    | 936            |
| Computer Applications Systems (CAS)     | 13      | 20      | 972                    | 3,892          |
| Early Education & Family Studies (ECE)  | 8       | 8       | 170                    | 542            |
| Education (ED)                          | 1       | 1       | 15                     | 84             |
| Electrical Trades (ELT)                 | 1       | 1       | 18                     | 36             |
| Electronic Engineering Technology (EET) | 1       | 1       | 0                      | 0              |
| Emergency Medical Services (EMS)        | 1       | 2       | 23                     | 69             |
| Facilities Maintenance Technician (FMT) | 1       | 1       | 17                     | 34             |
| Fire Protection (FP)                    | 2       | 3       | 60                     | 385            |
| Landscape Technology (LAT)              | 3       | 3       | 33                     | 115            |
| Machine Manufacturing Technology (MCH)  | 7       | 7       | 150                    | 1,267          |
| Medical Professions (MP)                | 6       | 10      | 265                    | 764            |
| Management & Supervisory Dev. (MSD)     | 2       | 2       | 17                     | 42             |
| Microelectronics Technology (MT)        | 1       | 1       | 0                      | 0              |
| Office Systems (OS)                     | 1       | 1       | 15                     | 15             |
| Professional Music (MUC)                | 1       | 1       | 8                      | 16             |
| Welding (WLD)                           | 7       | 7       | 46                     | 233            |

# THE LAST FIVE YEARS OF CTE

| SCHOOL YEAR    | SCHOOLS   | FACULTY   | UNDUPLICATED STUDENTS* | CREDITS EARNED | CREDIT VALUE     |
|----------------|-----------|-----------|------------------------|----------------|------------------|
| 2008-09        | 32        | 89        | 1,753                  | 8,684          | \$607,880        |
| 2009-10        | 35        | 100       | 2,365                  | 12,242         | \$930,392        |
| 2010-11        | 37        | 99        | 2,330                  | 10,252         | \$779,152        |
| 2011-12        | 35        | 106       | 2,571                  | 10,946         | \$864,734        |
| <b>2012-13</b> | <b>30</b> | <b>74</b> | <b>2,496</b>           | <b>10,524</b>  | <b>\$862,968</b> |

\*Total number of individual students who received PCC Dual Credit for CTE.



# UNIVERSITY TRANSFER

There were 2,994 University Transfer (UT) high school students who earned PCC Dual Credit during the 2012-13 school year, giving them a jump start on their post-secondary education. These students earned 18,451 PCC in UT credits.

In 2012-13, there were 28 UT program areas and 191 courses offered for Dual Credit. The following chart details how many students and credits were awarded in the specific PCC UT program areas.

| PCC PROGRAM AREA             | NUMBER OF HIGH SCHOOLS | FACULTY | UNDUPLICATED STUDENTS | CREDITS EARNED |
|------------------------------|------------------------|---------|-----------------------|----------------|
| American Sign Language (ASL) | 1                      | 1       | 54                    | 220            |
| Anthropology (ATH)           | 1                      | 1       | 26                    | 104            |
| Art (ART)                    | 2                      | 2       | 14                    | 42             |
| Biology (BI)                 | 8                      | 9       | 350                   | 2,360          |
| Business Administration (BA) | 3                      | 5       | 109                   | 369            |
| Career Guidance (CG)         | 3                      | 5       | 205                   | 655            |
| Criminal Justice (CJA)       | 1                      | 2       | 59                    | 291            |
| Crop Soil Science (CSS)      | 2                      | 2       | 2                     | 8              |
| Dance (D)                    | 2                      | 4       | 20                    | 82             |
| Economics (EC)               | 1                      | 1       | 3                     | 12             |
| Engineering (ENGR)           | 1                      | 1       | 31                    | 31             |
| English (ENG)                | 7                      | 9       | 241                   | 1,216          |
| Environmental Studies (ESR)  | 4                      | 4       | 68                    | 272            |
| General Science (GS)         | 1                      | 1       | 4                     | 16             |
| Geography (GEO)              | 1                      | 1       | 4                     | 12             |
| German (GER)                 | 1                      | 1       | 36                    | 236            |
| Health (HE)                  | 3                      | 6       | 125                   | 469            |
| History (HST)                | 4                      | 5       | 335                   | 3,724          |
| Journalism (J)               | 2                      | 2       | 30                    | 204            |
| Math (MTH)                   | 7                      | 12      | 750                   | 6,032          |
| Music (MUS)                  | 3                      | 3       | 27                    | 28             |
| Physics (PHY)                | 1                      | 1       | 20                    | 124            |
| Psychology (PSY)             | 1                      | 1       | 132                   | 572            |
| Reading (RD)                 | 1                      | 1       | 9                     | 27             |

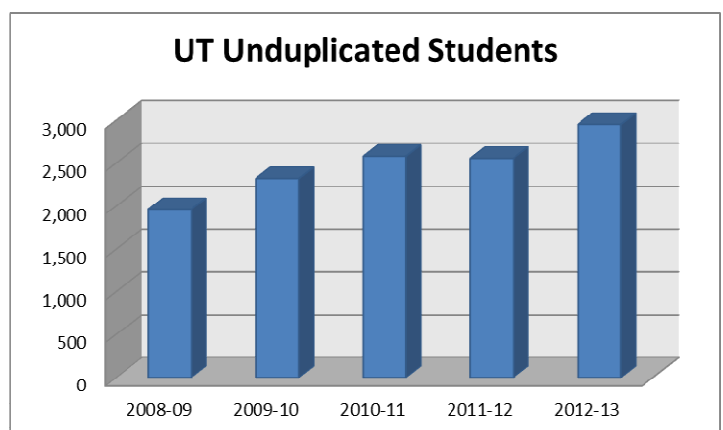
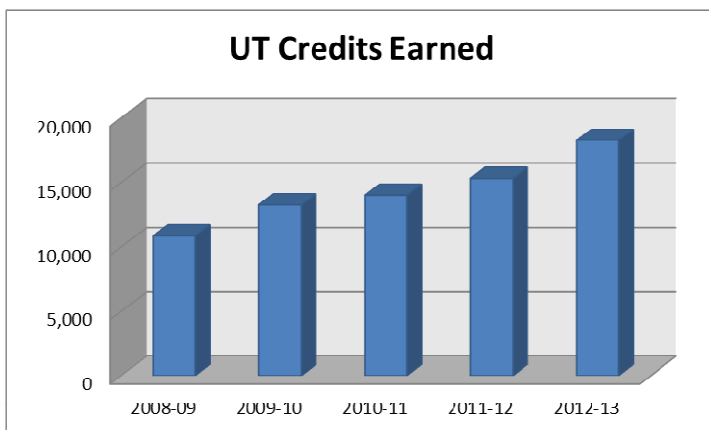
# UNIVERSITY TRANSFER

| PCC PROGRAM AREA  | NUMBER OF HIGH SCHOOLS | FACULTY | UNDUPLICATED STUDENTS | CREDITS EARNED |
|-------------------|------------------------|---------|-----------------------|----------------|
| Spanish (SPA)     | 1                      | 1       | 82                    | 328            |
| Theatre Arts (TA) | 1                      | 2       | 67                    | 253            |
| Writing (WR)      | 6                      | 8       | 191                   | 764            |

## THE LAST FIVE YEARS OF UT

| SCHOOL YEAR    | SCHOOLS   | FACULTY   | UNDUPLICATED STUDENTS* | CREDITS EARNED | CREDIT VALUE       |
|----------------|-----------|-----------|------------------------|----------------|--------------------|
| 2008-09        | 30        | 62        | 1,958                  | 10,846         | \$759,220          |
| 2009-10        | 35        | 72        | 2,319                  | 13,248         | \$1,006,848        |
| 2010-11        | 33        | 68        | 2,576                  | 14,008         | \$1,064,608        |
| 2011-12        | 31        | 82        | 2,552                  | 15,305         | \$1,209,095        |
| <b>2012-13</b> | <b>33</b> | <b>81</b> | <b>2,994</b>           | <b>18,451</b>  | <b>\$1,512,982</b> |

\*Total number of individual students who received PCC Dual Credit for UT.



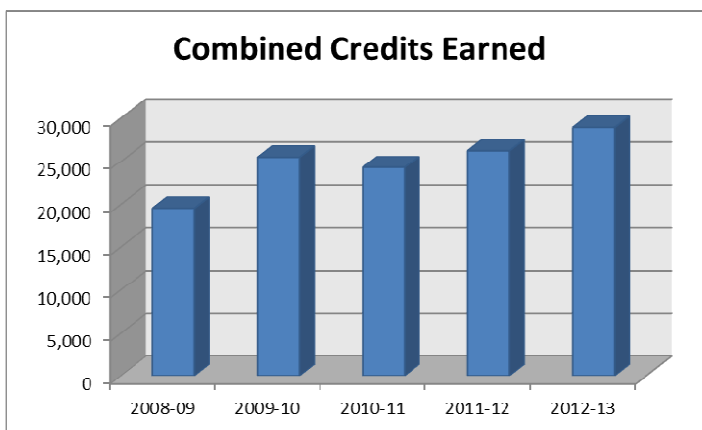
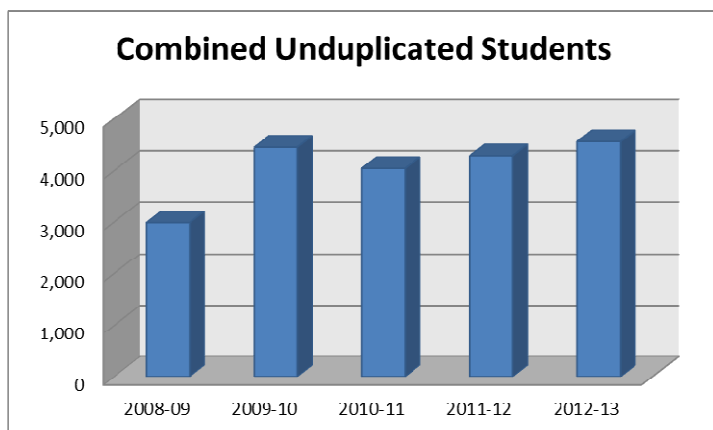
# THE LAST FIVE YEARS OF DUAL CREDIT

The charts below are a five-year summary of the overall student participation in the PCC Dual Credit program (combined Career & Technical Education and University Transfer).

Currently there are 47 high schools articulating PCC Dual Credit. In 2012-13, the PCC Dual Credit program registered 4,568 students who earned 28,975 PCC credits.

As a student of the PCC Dual Credit program, students were not charged tuition or fees. This was a savings to students (and their parents) of \$2,375,950 in PCC tuition. The PCC Dual Credit program generated approximately 886 FTE for PCC from the state of Oregon.

| SCHOOL YEAR    | FACUTLY    | UNDUPLICATED STUDENTS* | CREDITS EARNED | COSTS**     | SAVINGS***         |
|----------------|------------|------------------------|----------------|-------------|--------------------|
| 2008-09        | 140        | 2,983                  | 19,530         | \$104,405   | \$1,262,695        |
| 2009-10        | 172        | 4,447                  | 25,490         | FREE        | \$1,937,240        |
| 2010-11        | 167        | 4,042                  | 24,260         | FREE        | \$1,843,760        |
| 2011-12        | 149        | 4,284                  | 26,243         | FREE        | \$2,073,197        |
| <b>2012-13</b> | <b>149</b> | <b>4,568</b>           | <b>28,975</b>  | <b>FREE</b> | <b>\$2,375,950</b> |



\*Total number of individual students who received PCC Dual Credit.

\*\*As of fall 2009 there are no costs incurred for PCC Dual Credit students. Prior to fall 2009 the fee was \$35 for all credits earned during the academic year.

\*\*\*Savings to students equals the total value of credits at \$82 per credit (minus the \$35 fee charged to each student prior to 2009-10).



# ARTICULATION DETAILS

The Articulation Details section of this report describes enrollment information on articulated programs offered at each school or site. The following pages list all active articulation agreements for the 2011-12 school year, the total number of credits earned, and how many students registered for each course (represented here as duplicated students).

|    |   |    |                               |
|----|---|----|-------------------------------|
| 26 | Alliance High School at Meek Campus       | 59 | Merlo Station High School     |
| 27 | Aloha High School                         | 60 | Newberg Campus High School    |
| 28 | Arts & Communication Magnet Academy       | 62 | Portland YouthBuilders        |
| 29 | Banks High School                         | 64 | Rex Putnam High School        |
| 30 | Beaverton High School                     | 65 | Riverdale High School         |
| 31 | Beaverton School District Options Program | 66 | Rosemary Anderson High School |
| 32 | Benson High School                        | 67 | Sabin-Schellenberg Center     |
| 34 | Canby High School                         | 68 | Scappoose High School         |
| 35 | Central Catholic High School              | 69 | Sherwood High School          |
| 36 | Century High School                       | 72 | South Albany High School      |
| 37 | Clark County Skills Center                | 73 | Southridge High School        |
| 38 | Cleveland High School                     | 74 | St. Helens High School        |
| 39 | Early College High School                 | 75 | Sunset High School            |
| 40 | Forest Grove High School                  | 76 | Tigard High School            |
| 42 | Franklin High School                      | 77 | Tualatin High School          |
| 44 | Gaston High School                        | 78 | Valley Catholic High School   |
| 45 | Glencoe High School                       | 79 | Westview High School          |
| 47 | Grant High School                         | 80 | William P. Lord High School   |
| 48 | Hillsboro High School                     | 81 | Wilson High School            |
| 50 | Horizon Christian High School             | 82 | Wilsonville High School       |
| 51 | Jefferson High School                     |    |                               |
| 52 | Lake Oswego High School                   |    |                               |
| 53 | Lakeridge High School                     |    |                               |
| 54 | Liberty High School                       |    |                               |
| 56 | Life Christian School                     |    |                               |
| 57 | Madison High School                       |    |                               |
| 58 | McMinnville High School                   |    |                               |

## 2012-13 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Alliance High School at Meek Campus

#### Spring Term 2013

#### Automotive Service Technology

#### (Industrial and Engineering)

|        |                                |                                     |              |   |   |
|--------|--------------------------------|-------------------------------------|--------------|---|---|
| AM 100 | Introduction to Automotive (4) | Basic Auto Systems I, II            | John Billups | 0 | 0 |
| AM 111 | Engine Repair (4)              | Introduction to Engine Repair I, II | John Billups | 0 | 0 |
| AM 161 | Electrical I (4)               | Electrical Systems I                | John Billups | 0 | 0 |

#### Biology

#### (None)

|        |             |         |               |   |   |
|--------|-------------|---------|---------------|---|---|
| BI 101 | Biology (4) | Biology | Misty Scevola | 0 | 0 |
| BI 102 | Biology (4) | Biology | Misty Scevola | 0 | 0 |

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                                     |                         |               |   |   |
|----------|-------------------------------------|-------------------------|---------------|---|---|
| CAS 111D | Beginning Website: Dreamweaver (3)  | Arts & Communication I  | Amy Taramasso | 1 | 3 |
| CAS 208  | Beginning Photoshop for the Web (3) | Arts & Communication II | Amy Taramasso | 0 | 0 |

#### Environmental Studies

#### (Natural Resources)

|         |   |  |               |   |    |
|---------|---|--|---------------|---|----|
| ESR 171 | Environmental Science: Biological (4)<br>Perspectives | Environmental Science-Biological<br>Perspectives ESR 171 | Misty Scevola | 4 | 16 |
|---------|---|--|---------------|---|----|

#### Machine Manufacturing Technology

#### (Industrial and Engineering)

|         |   |                    |            |   |     |
|---------|---|--------------------|------------|---|-----|
| MCH 100 | Machine Tool Basics (1)                       | Machining A        | Paul Reetz | 1 | 1   |
| MCH 105 | Blueprint Reading I (1.5)                     | Machining B        | Paul Reetz | 1 | 1.5 |
| MCH 120 | Machine Shop Math (2)                         | Machining F        | Paul Reetz | 1 | 2   |
| MCH 135 | Basic Measuring Tools (1.5)                   | Machining B        | Paul Reetz | 0 | 0   |
| MCH 145 | Layout Tools (1.5)                            | Machining F        | Paul Reetz | 1 | 1.5 |
| MCH 150 | Precision Measuring Tools (1.5)               | Machining F        | Paul Reetz | 0 | 0   |
| MCH 180 | Turning Machines and Operations (4)           | Machining B        | Paul Reetz | 0 | 0   |
| MCH 205 | Vertical Milling Machine and Operations (3.5) | Machining F        | Paul Reetz | 0 | 0   |
| MCH 290 | Mastercam Fundamentals Orientation (1)        | Machining Projects | Paul Reetz | 0 | 0   |
| MCH 293 | CNC Router Fundamentals Orientation (1)       | Machining Projects | Paul Reetz | 0 | 0   |

#### Welding

#### (Industrial and Engineering)

|         |   |             |            |   |   |
|---------|---|-------------|------------|---|---|
| WLD 111 | SMAW: Mild Steel (E7024) & Oxy-acetylene<br>Cutting (4) | Welding A-B | Paul Reetz | 0 | 0 |
| WLD 112 | SMAW: Mild Steel I (E7018) (4)                          | Welding C-D | Paul Reetz | 0 | 0 |
| WLD 113 | SMAW: Mild Steel II (E7018) (4)                         | Welding E-F | Paul Reetz | 0 | 0 |
| WLD 114 | SMAW: Mild Steel III (E6011) (3)                        | Welding G-H | Paul Reetz | 0 | 0 |
| WLD 131 | Gas Metal Arc Welding (3)                               | Welding K-L | Paul Reetz | 0 | 0 |
| WLD 271 | Oxy-acetylene Welding Projects (3)                      | Welding O-P | Paul Reetz | 0 | 0 |

**Summary for Alliance High School at Meek Campus:**

**9      25**



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Arts & Communication Magnet Academy

#### Winter Term 2013

| Dance                       | (Arts & Communications)               |               |   |   |
|-----------------------------|---------------------------------------|---------------|---|---|
| D 150 Jazz Dance I (1)      | Beginning Dance                       | Julane Stites | 2 | 2 |
| D 151 Jazz Dance II (1)     | Intermediate Dance                    | Julane Stites | 2 | 2 |
| D 192D Modern Dance II (1)  | Advanced Dance                        | Julane Stites | 5 | 5 |
| D 209 Dance Performance (3) | Performance Dance West/Dance Ensemble | Julane Stites | 3 | 9 |
| D 252 Jazz Dance III (1)    | Advanced Dance                        | Julane Stites | 2 | 2 |

#### Spring Term 2013

| Dance                       | (Arts & Communications)               |               |   |   |
|-----------------------------|---------------------------------------|---------------|---|---|
| D 150 Jazz Dance I (1)      | Beginning Dance                       | Julane Stites | 0 | 0 |
| D 151 Jazz Dance II (1)     | Intermediate Dance                    | Julane Stites | 0 | 0 |
| D 192D Modern Dance II (1)  | Advanced Dance                        | Julane Stites | 0 | 0 |
| D 209 Dance Performance (3) | Performance Dance West/Dance Ensemble | Julane Stites | 0 | 0 |
| D 252 Jazz Dance III (1)    | Advanced Dance                        | Julane Stites | 0 | 0 |

#### Not Offered

| Dance                       | (Arts & Communications)               |                  |   |   |
|-----------------------------|---------------------------------------|------------------|---|---|
| D 150 Jazz Dance I (1)      | Beginning Dance                       | Felice Moskowitz | 0 | 0 |
| D 151 Jazz Dance II (1)     | Intermediate Dance                    | Felice Moskowitz | 0 | 0 |
| D 209 Dance Performance (3) | Performance Dance West/Dance Ensemble | Felice Moskowitz | 0 | 0 |
| D 252 Jazz Dance III (1)    | Advanced Dance                        | Felice Moskowitz | 0 | 0 |

**Summary for Arts & Communication Magnet Academy:                    14                    20**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                       |  | (Career Pathway)                    |                          | Duplicated | Credits    |
|---------------------------------------|--|-------------------------------------|--------------------------|------------|------------|
| Discipline                            |  |                                     | High School Course Title | Students   | Earned     |
| Courses under Agreement (credits)     |  |                                     |                          |            |            |
| <b>Banks High School</b>              |  |                                     |                          |            |            |
| <b>Winter Term 2013</b>               |  |                                     |                          |            |            |
| <b>Biology</b>                        |  | <b>(None)</b>                       |                          |            |            |
| BI 101                                | Biology (4)  |                                     | Advanced AP Biology      | 27         | 108        |
| <b>English</b>                        |  | <b>(None)</b>                       |                          |            |            |
| WR 121                                | English Composition (4)                              |                                     | Honors English 12        | 30         | 228        |
| <b>Spring Term 2013</b>               |  |                                     |                          |            |            |
| <b>Biology</b>                        |  | <b>(None)</b>                       |                          |            |            |
| BI 102                                | Biology (4)  |                                     | Advanced AP Biology      | 25         | 100        |
| BI 103                                | Biology (4)  |                                     | Advanced AP Biology      | 25         | 100        |
| <b>English</b>                        |  | <b>(None)</b>                       |                          |            |            |
| ENG 104                               | Introduction to Literature (Fiction) (4)             |                                     | Honors English 12        | 31         | 124        |
| <b>Welding</b>                        |  | <b>(Industrial and Engineering)</b> |                          |            |            |
| WLD 111                               | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) |                                     | Welding II               | 0          | 0          |
| <b>Summary for Banks High School:</b> |  |                                     |                          | <b>138</b> | <b>552</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Beaverton High School

#### Winter Term 2013

| <b>Architectural Design &amp; Drafting</b>      |                                    | <b>(Industrial and Engineering)</b> |                  |             |
|---|------------------------------------|-------------------------------------|------------------|-------------|
| ARCH 111  | Working Drawings 1 (3)             | Drafting II                         | Paul Webb        | 2      6    |
| <b>Computer Aided Design &amp; Drafting</b>     |                                    | <b>(Industrial and Engineering)</b> |                  |             |
| DRF 117   | Drafting Fundamentals (4)          | Drafting I                          | Paul Webb        | 4      16   |
| DRF 126   | Introduction to AutoCAD (3)        | Drafting II                         | Paul Webb        | 2      6    |
| <b>Computer Applications and Office Systems</b> |                                    | <b>(Business &amp; Management)</b>  |                  |             |
| CAS 109   | Beginning PowerPoint (1)           | Computer Applications II            | Kathryn Robinson | 14      14  |
| CAS 133   | Basic Computer Skill/MS Office (4) | Computer Applications I             | Kathryn Robinson | 1      4    |
| CAS 133   | Basic Computer Skill/MS Office (4) | Computer Applications I             | Paul Webb        | 67      268 |
| CAS 170A  | Beginning Excel (1)                | Computer Applications II            | Kathryn Robinson | 14      14  |
| CAS 216A  | Beginning Word (1)                 | Computer Applications II            | Kathryn Robinson | 14      14  |

#### Spring Term 2013

| <b>Architectural Design &amp; Drafting</b>      |                                    | <b>(Industrial and Engineering)</b> |                  |             |
|---|------------------------------------|-------------------------------------|------------------|-------------|
| ARCH 111  | Working Drawings 1 (3)             | Drafting II                         | Paul Webb        | 3      9    |
| <b>Computer Aided Design &amp; Drafting</b>     |                                    | <b>(Industrial and Engineering)</b> |                  |             |
| DRF 117   | Drafting Fundamentals (4)          | Drafting I                          | Paul Webb        | 11      44  |
| DRF 126   | Introduction to AutoCAD (3)        | Drafting II                         | Paul Webb        | 3      9    |
| <b>Computer Applications and Office Systems</b> |                                    | <b>(Business &amp; Management)</b>  |                  |             |
| CAS 109   | Beginning PowerPoint (1)           | Computer Applications II            | Kathryn Robinson | 20      20  |
| CAS 133   | Basic Computer Skill/MS Office (4) | Computer Applications I             | Kathryn Robinson | 5      20   |
| CAS 133   | Basic Computer Skill/MS Office (4) | Computer Applications I             | Paul Webb        | 25      100 |
| CAS 170A  | Beginning Excel (1)                | Computer Applications II            | Kathryn Robinson | 20      20  |
| CAS 216A  | Beginning Word (1)                 | Computer Applications II            | Kathryn Robinson | 20      20  |
| <b>Management &amp; Supervisory Development</b> |                                    | <b>(Business &amp; Management)</b>  |                  |             |
| MSD 121   | Leadership & Skill Development (3) | Marketing Seminar                   | Kathryn Robinson | 0      0    |
| MSD 123   | Job Search Strategies (1)          | Marketing Seminar                   | Kathryn Robinson | 9      9    |
| MSD 160A  | Communication Styles (1)           | Marketing Seminar                   | Kathryn Robinson | 0      0    |
| MSD 174   | Time Management (1)                | Marketing Seminar                   | Kathryn Robinson | 0      0    |
| MSD 194   | Effective Presentation Skills      | Marketing Seminar                   | Kathryn Robinson | 9      9    |

#### Not Offered

| <b>Computer Applications and Office Systems</b> |                                    | <b>(Business &amp; Management)</b> |               |          |
|---|------------------------------------|------------------------------------|---------------|----------|
| CAS 109   | Beginning PowerPoint (1)           | Computer Applications II           | Emily Ramberg | 0      0 |
| CAS 133   | Basic Computer Skill/MS Office (4) | Computer Applications I            | Emily Ramberg | 0      0 |
| CAS 170A  | Beginning Excel (1)                | Computer Applications II           | Emily Ramberg | 0      0 |
| CAS 216A  | Beginning Word (1)                 | Computer Applications II           | Emily Ramberg | 0      0 |

**Summary for Beaverton High School:                      243      602**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Beaverton School District Options Program

#### Spring Term 2013

#### Automotive Service Technology

#### (Industrial and Engineering)

|        |                                |  |             |   |   |
|--------|--------------------------------|--|-------------|---|---|
| AM 100 | Introduction to Automotive (4) | Automotive Technology I & II - First Year            | Louise Drow | 2 | 8 |
| AM 151 | Undercar Systems I (4)         | Automotive Technology I & II - First and Second Year | Louise Drow | 2 | 8 |
| AM 161 | Electrical I (4)               | Automotive I & II - Second Year                      | Louise Drow | 0 | 0 |

#### Health

#### (Health Services)

|        |                                   |                |              |    |     |
|--------|-----------------------------------|----------------|--------------|----|-----|
| HE 252 | First Aid - Basics and Beyond (4) | Health Careers | Paula Jacobs | 90 | 360 |
|--------|-----------------------------------|----------------|--------------|----|-----|

#### Medical Professions

#### (Health Services)

|        |                                  |                            |                 |    |     |
|--------|----------------------------------|----------------------------|-----------------|----|-----|
| BI 55  | Human Biology (4)                | Human Anatomy & Physiology | Matt Bayha      | 18 | 72  |
| MP 109 | Basic Medical Terminology I (2)  | Health Careers             | Paula Jacobs    | 84 | 168 |
| MP 110 | Basic Medical Terminology II ( ) | Advanced Health Careers    | Matt Bayha      | 15 | 30  |
| MP 110 | Basic Medical Terminology II ( ) | Advanced Health Careers    | Kathleen Newell | 12 | 24  |
| MP 110 | Basic Medical Terminology II ( ) | Advanced Health Careers    | Andrea Ellis    | 12 | 24  |

#### Not Offered

#### Health

#### (Health Services)

|        |                                   |                |                 |   |   |
|--------|-----------------------------------|----------------|-----------------|---|---|
| HE 252 | First Aid - Basics and Beyond (4) | Health Careers | Matt Bayha      | 0 | 0 |
| HE 252 | First Aid - Basics and Beyond (4) | Health Careers | Kathleen Newell | 0 | 0 |

#### Medical Professions

#### (Health Services)

|        |                                  |                            |                 |   |   |
|--------|----------------------------------|----------------------------|-----------------|---|---|
| BI 55  | Human Biology (4)                | Human Anatomy & Physiology | Kathleen Newell | 0 | 0 |
| MP 109 | Basic Medical Terminology I (2)  | Advanced Health Careers    | Matt Bayha      | 0 | 0 |
| MP 109 | Basic Medical Terminology I (2)  | Advanced Health Careers    | Kathleen Newell | 0 | 0 |
| MP 109 | Basic Medical Terminology I (2)  | Advanced Health Careers    | Andrea Ellis    | 0 | 0 |
| MP 110 | Basic Medical Terminology II ( ) | Health Careers             | Paula Jacobs    | 0 | 0 |

|   |            |            |
|---|------------|------------|
| <b>Summary for Beaverton School District Options Program:</b> | <b>235</b> | <b>694</b> |
|---|------------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Benson High School

#### Winter Term 2013

| <b>Computer Applications and Office Systems</b> |                                     | <b>(Business &amp; Management)</b>  |                  |    |
|---|-------------------------------------|-------------------------------------|------------------|----|
| CAS 206   | Principles of HTML/XHTML (4)        | Comm 4 Photo/Web Design             | Jeanette Pelster | 15 |
| CAS 208   | Beginning Photoshop for the Web (3) | Comm 4 Photo/Web Design             | Jeanette Pelster | 15 |
|   |                                     | <b>(Industrial and Engineering)</b> |                  |    |
| MCH 100   | Machine Tool Basics (1)             | Manufacturing IV                    | Barth Clooten    | 9  |
| MCH 135   | Basic Measuring Tools (1.5)         | Manufacturing IV                    | Barth Clooten    | 9  |
| MCH 145   | Layout Tools (1.5)                  | Manufacturing IV                    | Barth Clooten    | 9  |
| MCH 160   | Drilling Machines & Operations (2)  | Manufacturing IV                    | Barth Clooten    | 9  |

#### Spring Term 2013

| <b>Automotive Service Technology</b>            |   | <b>(Industrial and Engineering)</b> |                  |    |
|---|---|-------------------------------------|------------------|----|
| AM 100  | Introduction to Automotive (4)          | Automotive IV                       | Brett Anderson   | 20 |
| AM 111  | Engine Repair (4)                       | Automotive IV                       | Brett Anderson   | 21 |
| AM 161  | Electrical I (4)                        | Automotive IV                       | Brett Anderson   | 20 |
|   |   | <b>(Industrial and Engineering)</b> |                  |    |
| <b>Building Construction Technology</b>         |   |                                     |                  |    |
| BCT 102   | Residential Printreading (3)            | Building Construction               | Tony Franciscone | 9  |
| BCT 104   | Construction Mathematics (3)            | Building Construction               | Tony Franciscone | 9  |
| BCT 106   | Hand Tool/Power Tool Use and Safety (3) | Building Construction               | Tony Franciscone | 10 |
| BCT 120   | Floor Framing (3)                       | Building Construction               | Tony Franciscone | 0  |
| BCT 121   | Wall Framing (3)                        | Building Construction               | Tony Franciscone | 1  |
|   |   | <b>(Business &amp; Management)</b>  |                  |    |
| <b>Computer Applications and Office Systems</b> |   |                                     |                  |    |
| CAS 206   | Principles of HTML/XHTML (4)            | Comm 4 Photo/Web Design             | Jeanette Pelster | 0  |
| CAS 208   | Beginning Photoshop for the Web (3)     | Comm 4 Photo/Web Design             | Jeanette Pelster | 0  |
|   |   | <b>(Industrial and Engineering)</b> |                  |    |
| <b>Electrical Trades</b>                        |   |                                     |                  |    |
| ELT 201   | Electrical Motor Control (2)            | Electric IV                         | Tim Hryciw       | 18 |
|   |   | <b>(Industrial and Engineering)</b> |                  |    |
| <b>Facilities Maintenance Technology</b>        |   |                                     |                  |    |
| FMT 101   | Refrigeration I (2)                     | Electric IV                         | Tim Hryciw       | 0  |
| FMT 102   | Refrigeration II (2)                    | Electric IV                         | Tim Hryciw       | 0  |
| FMT 111   | Refrigeration Electrical I (2)          | Electric IV                         | Tim Hryciw       | 17 |
| FMT 112   | Refrigeration Electrical II (2)         | Electric IV                         | Tim Hryciw       | 0  |
|   |   | <b>(Industrial and Engineering)</b> |                  |    |
| <b>Machine Manufacturing Technology</b>         |   |                                     |                  |    |
| MCH 100   | Machine Tool Basics (1)                 | Manufacturing IV                    | Barth Clooten    | 1  |
| MCH 105   | Blueprint Reading I (1.5)               | Manufacturing IV                    | Barth Clooten    | 8  |
| MCH 110   | Blueprint Reading II (1.5)              | Manufacturing IV                    | Barth Clooten    | 8  |
| MCH 120   | Machine Shop Math (2)                   | Manufacturing IV                    | Barth Clooten    | 7  |
| MCH 123   | Sheet Metal Fabrication (4)             | Manufacturing III                   | Barth Clooten    | 10 |
| MCH 125   | Speeds and Feeds (1)                    | Manufacturing IV                    | Barth Clooten    | 8  |
| MCH 135   | Basic Measuring Tools (1.5)             | Manufacturing IV                    | Barth Clooten    | 1  |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Benson High School

#### Spring Term 2013

| <b>Machine Manufacturing Technology</b> |   | <b>(Industrial and Engineering)</b> |               |             |
|---|---|-------------------------------------|---------------|-------------|
| MCH 145                                 | Layout Tools (1.5)                            | Manufacturing IV                    | Barth Clooten | 6      9    |
| MCH 150                                 | Precision Measuring Tools (1.5)               | Manufacturing IV                    | Barth Clooten | 8      12   |
| MCH 160                                 | Drilling Machines & Operations (2)            | Manufacturing IV                    | Barth Clooten | 2      4    |
| MCH 180                                 | Turning Machines and Operations (4)           | Manufacturing IV                    | Barth Clooten | 8      32   |
| MCH 205                                 | Vertical Milling Machine and Operations (3.5) | Manufacturing IV                    | Barth Clooten | 7      24.5 |
| MCH 272                                 | Mastercam Level I (5)                         | Manufacturing III                   | Barth Clooten | 10      50  |

| <b>Medical Professions</b> |                         | <b>(Health Services)</b>            |                   |            |
|----------------------------|-------------------------|-------------------------------------|-------------------|------------|
| MP 111                     | Medical Terminology (4) | Medical Dental Practice Preparation | Sally Niedermeyer | 18      72 |
| MP 111                     | Medical Terminology (4) | Medical Dental Practice Preparation | Kathy Lloyd       | 20      80 |

| <b>Welding</b> |  | <b>(Industrial and Engineering)</b> |               |            |
|----------------|--|-------------------------------------|---------------|------------|
| WLD 111        | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Manufacturing III                   | Barth Clooten | 13      52 |
| WLD 271        | Oxy-acetylene Welding Projects (3)                   | Manufacturing III                   | Barth Clooten | 12      36 |

#### Not Offered

| <b>Building Construction Technology</b> |   | <b>(Industrial and Engineering)</b> |               |          |
|---|---|-------------------------------------|---------------|----------|
| BCT 102                                 | Residential Printreading (3)            | Building Construction               | Richard Weber | 0      0 |
| BCT 104                                 | Construction Mathematics (3)            | Building Construction               | Richard Weber | 0      0 |
| BCT 106                                 | Hand Tool/Power Tool Use and Safety (3) | Building Construction               | Richard Weber | 0      0 |
| BCT 120                                 | Floor Framing (3)                       | Building Construction               | Richard Weber | 0      0 |
| BCT 121                                 | Wall Framing (3)                        | Building Construction               | Richard Weber | 0      0 |

|  |            |              |
|--|------------|--------------|
| <b>Summary for Benson High School:</b> | <b>338</b> | <b>1,020</b> |
|--|------------|--------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Canby High School

#### Fall Term 2012

| Building Construction Technology |   | (Industrial and Engineering) |              |    |    |
|----------------------------------|---|------------------------------|--------------|----|----|
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Construction I               | Darren Monen | 26 | 78 |
| BCT 121                          | Wall Framing (3)                        | Construction III             | Darren Monen | 0  | 0  |

#### Winter Term 2013

| Building Construction Technology |   | (Industrial and Engineering) |              |    |    |
|----------------------------------|---|------------------------------|--------------|----|----|
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Construction I               | Darren Monen | 13 | 39 |
| BCT 121                          | Wall Framing (3)                        | Construction III             | Darren Monen | 0  | 0  |

#### Spring Term 2013

| Building Construction Technology |   | (Industrial and Engineering) |              |    |    |
|----------------------------------|---|------------------------------|--------------|----|----|
| BCT 102                          | Residential Printreading (3)            | Construction I               | Darren Monen | 3  | 9  |
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Construction I               | Darren Monen | 21 | 63 |
| BCT 121                          | Wall Framing (3)                        | Construction III             | Darren Monen | 0  | 0  |

|                                       |           |            |
|---------------------------------------|-----------|------------|
| <b>Summary for Canby High School:</b> | <b>63</b> | <b>189</b> |
|---------------------------------------|-----------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor | Duplicated<br>Students | Credits<br>Earned |
|--|--|------------|------------------------|-------------------|
|--|--|------------|------------------------|-------------------|

### Central Catholic High School

#### Winter Term 2013

|   |   |                |    |     |
|---|---|----------------|----|-----|
| <b>Computer Applications and Office Systems</b> | <b>(Business &amp; Management)</b>                |                |    |     |
| CAS 133 Basic Computer Skill/MS Office (4)      | Integrated Computer Applications/Microsoft Office | Nancy Peterson | 92 | 368 |

#### Spring Term 2013

|   |   |                |    |     |
|---|---|----------------|----|-----|
| <b>Computer Applications and Office Systems</b> | <b>(Business &amp; Management)</b>                |                |    |     |
| CAS 133 Basic Computer Skill/MS Office (4)      | Integrated Computer Applications/Microsoft Office | Nancy Peterson | 91 | 364 |

|  |            |            |
|--|------------|------------|
| <b>Summary for Central Catholic High School:</b> | <b>183</b> | <b>732</b> |
|--|------------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                                 |   | (Career Pathway)                         |                  | Duplicated | Credits    |
|---|---|--|------------------|------------|------------|
| Discipline                                      |   | High School Course Title                 | Instructor       | Students   | Earned     |
| Courses under Agreement (credits)               |   |  |                  |            |            |
| <b>Century High School</b>                      |   |  |                  |            |            |
| <b>Spring Term 2013</b>                         |   |  |                  |            |            |
| <b>Computer Applications and Office Systems</b> |   | <b>(Business &amp; Management)</b>       |                  |            |            |
| CAS 133   | Basic Computer Skill/MS Office (4)                        | Basic Business and Computer Applications | Raya Nichols     | 41         | 164        |
| CAS 206   | Principles of HTML/XHTML (4)                              | Web Design & Applied Web Design          | Chris Winikka    | 7          | 28         |
| <b>Early Education and Family Studies</b>       |   | <b>(Human Resources)</b>                 |                  |            |            |
| ECE 120   | Introduction to Early Education and Family Studies (3)    | Child Services I                         | Alia Laack       | 5          | 15         |
| ECE 132   | Early Childhood Field Work (2)                            | Child Services II                        | Alia Laack       | 3          | 6          |
| <b>Health</b>                                   |   | <b>(Health Services)</b>                 |                  |            |            |
| HE 250  | Personal Health (3)                                       | Anatomy & Physiology/Health Services I   | Kristin Blomberg | 16         | 48         |
| HE 250  | Personal Health (3)                                       | Anatomy & Physiology/Health Services I   | Rachelle Carnes  | 15         | 45         |
| <b>Machine Manufacturing Technology</b>         |   | <b>(Industrial and Engineering)</b>      |                  |            |            |
| MCH 290   | Mastercam Fundamentals Orientation (1)                    | Drafting II                              | Tim Morley       | 0          | 0          |
| MCH 291   | Laser Cutting and Engraving Fundamentals (1)              | Drafting I                               | Tim Morley       | 16         | 16         |
| MCH 292   | FDM Additive Manufacturing Fundamentals Orientation (1.5) | Drafting II                              | Tim Morley       | 0          | 0          |
| <b>Medical Professions</b>                      |   | <b>(Health Services)</b>                 |                  |            |            |
| MP 111  | Medical Terminology (4)                                   | Health Services II                       | Rachelle Carnes  | 18         | 72         |
| <b>Summary for Century High School:</b>         |   |  |                  | <b>121</b> | <b>394</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Clark County Skills Center

#### Spring Term 2013

| Criminal Justice |  | (Human Resources)   |              |    |     |
|------------------|--|---------------------|--------------|----|-----|
| CJA 111          | Introduction to Criminal Justice System - Police (3) | Criminal Justice I  | Tony Shaver  | 40 | 120 |
| CJA 112          | Introduction to Criminal Justice System-Courts (3)   | Criminal Justice II | Ron Epperson | 19 | 57  |
| CJA 112          | Introduction to Criminal Justice System-Courts (3)   | Criminal Justice II | Tony Shaver  | 38 | 114 |

#### Not Offered

| Criminal Justice |  | (Human Resources)  |              |   |   |
|------------------|--|--------------------|--------------|---|---|
| CJA 111          | Introduction to Criminal Justice System - Police (3) | Criminal Justice I | Ron Epperson | 0 | 0 |

|  |           |            |
|--|-----------|------------|
| <b>Summary for Clark County Skills Center:</b> | <b>97</b> | <b>291</b> |
|--|-----------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor | Duplicated<br>Students | Credits<br>Earned |
|--|--|------------|------------------------|-------------------|
|--|--|------------|------------------------|-------------------|

### Cleveland High School

#### Winter Term 2013

| Math                   | (None)                                       |              |    |     |
|------------------------|--|--------------|----|-----|
| MTH 251 Calculus I (4) | International Baccalaureate Mathematics (SL) | Kari Freeman | 19 | 76  |
| MTH 251 Calculus I (4) | International Baccalaureate Mathematics (SL) | Michael Ball | 60 | 240 |

#### Spring Term 2013

| History                                      | (None)                                       |                      |    |     |
|--|--|----------------------|----|-----|
| HST 201 History of the United States I (4)   | HoTA, History of the Americas                | Colleen Loprinzi     | 48 | 192 |
| HST 202 History of the United States II (4)  | HoTA, History of the Americas                | Colleen Loprinzi     | 48 | 192 |
| HST 203 History of the United States III (4) | HoTA, History of the Americas                | Colleen Loprinzi     | 48 | 192 |
| Math   | (None)                                       |                      |    |     |
| MTH 252 Calculus II (5)                      | Advanced Placement Calculus (AB)             | Kari Freeman         | 53 | 265 |
| MTH 252 Calculus II (5)                      | Advanced Placement Calculus (AB)             | Michael Ball         | 7  | 35  |
| MTH 253 Calculus III (5)                     | International Baccalaureate Mathematics (HL) | Natasha Khvilivitzky | 33 | 165 |

|   |            |              |
|---|------------|--------------|
| <b>Summary for Cleveland High School:</b> | <b>316</b> | <b>1,357</b> |
|---|------------|--------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Early College High School

#### Fall Term 2012

##### Career Guidance & College Success

(None)

|         |                                       |                                   |                      |    |    |
|---------|---------------------------------------|-----------------------------------|----------------------|----|----|
| CG 100C | College Survival & Success (1)        | College Success & Survival        | Maggie (Helen) Brown | 38 | 38 |
| CG 100C | College Survival & Success (1)        | College Success & Survival        | Megan Brooke         | 25 | 25 |
| CG 100C | College Survival & Success (1)        | College Success & Survival        | James Lekas          | 38 | 38 |
| CG 111C | Study Skills for College Learning (1) | Study Skills for College Learning | Megan Brooke         | 25 | 25 |
| CG 111C | Study Skills for College Learning (1) | Study Skills for College Learning | Maggie (Helen) Brown | 38 | 38 |
| CG 111C | Study Skills for College Learning (1) | Study Skills for College Learning | James Lekas          | 38 | 38 |

#### Winter Term 2013

##### Career Guidance & College Success

(None)

|         |   |   |                      |    |    |
|---------|---|---|----------------------|----|----|
| CG 101  | College Survival & Success: Personal (1) Responsibilities | College Success & Survival: Personal Responsibilities | Maggie (Helen) Brown | 32 | 32 |
| CG 101  | College Survival & Success: Personal (1) Responsibilities | College Success & Survival: Personal Responsibilities | Megan Brooke         | 14 | 14 |
| CG 111C | Study Skills for College Learning (1)                     | Study Skills for College Learning                     | Megan Brooke         | 14 | 14 |
| CG 111C | Study Skills for College Learning (1)                     | Study Skills for College Learning                     | Maggie (Helen) Brown | 32 | 32 |
| CG 140B | Career & Life Planning (2)                                | Career & Life Planning                                | James Lekas          | 42 | 84 |

#### Spring Term 2013

##### Career Guidance & College Success

(None)

|         |   |   |                      |    |    |
|---------|---|---|----------------------|----|----|
| CG 101  | College Survival & Success: Personal (1) Responsibilities | College Success & Survival: Personal Responsibilities | Maggie (Helen) Brown | 23 | 23 |
| CG 101  | College Survival & Success: Personal (1) Responsibilities | College Success & Survival: Personal Responsibilities | Megan Brooke         | 6  | 6  |
| CG 111C | Study Skills for College Learning (1)                     | Study Skills for College Learning                     | Maggie (Helen) Brown | 23 | 23 |
| CG 111C | Study Skills for College Learning (1)                     | Study Skills for College Learning                     | Megan Brooke         | 6  | 6  |
| CG 140B | Career & Life Planning (2)                                | Career & Life Planning                                | James Lekas          | 40 | 80 |
| CG 140B | Career & Life Planning (2)                                | Career & Life Planning                                | Megan Brooke         | 35 | 70 |

**Summary for Early College High School:**

**469      586**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                                 | (Career Pathway)                                     |  | Duplicated         | Credits     |
|---|--|--|--------------------|-------------|
| Discipline                                      | High School Course Title                             | Instructor   | Students           | Earned      |
| Courses under Agreement (credits)               |  |  |                    |             |
| <b>Forest Grove High School</b>                 |  |  |                    |             |
| <b>Winter Term 2013</b>                         |  |  |                    |             |
| <b>Building Construction Technology</b>         |  | <b>(Industrial and Engineering)</b>                            |                    |             |
| BCT 106   | Hand Tool/Power Tool Use and Safety (3)              | Basic Construction & Woods II & Advanced Building Construction | Chris Higginbotham | 40      120 |
| <b>Computer Applications and Office Systems</b> |  | <b>(Business &amp; Management)</b>                             |                    |             |
| CAS 111D  | Beginning Website: Dreamweaver (3)                   | Web Page Design  | Theresa Broeren    | 10      30  |
| CAS 133   | Basic Computer Skill/MS Office (4)                   | Advanced Computer Applications                                 | Theresa Broeren    | 0      0    |
| CAS 216A  | Beginning Word (1)                                   | Computer Applications  | Theresa Broeren    | 0      0    |
| <b>Math</b>                                     |  | <b>(None)</b>  |                    |             |
| MTH 111   | College Algebra (5)                                  | Pre-Calculus   | Mike Wanner        | 77      385 |
| MTH 251   | Calculus I (4)                                       | Advanced Placement Calculus                                    | Pete Rusaw         | 9      36   |
| MTH 252   | Calculus II (5)                                      | Advanced Placement Calculus                                    | Pete Rusaw         | 2      10   |
| <b>Welding</b>                                  |  | <b>(Industrial and Engineering)</b>                            |                    |             |
| WLD 111   | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Metals II, IV  | Jami Duyck         | 4      16   |
| <b>Spring Term 2013</b>                         |  |  |                    |             |
| <b>Biology</b>                                  |  | <b>(None)</b>  |                    |             |
| BI 101  | Biology (4)  | Honors Biology   | Ben Crabtree       | 12      48  |
| BI 101  | Biology (4)  | Honors Biology   | Ben Crabtree       | 12      48  |
| <b>Building Construction Technology</b>         |  | <b>(Industrial and Engineering)</b>                            |                    |             |
| BCT 106   | Hand Tool/Power Tool Use and Safety (3)              | Basic Construction & Woods II & Advanced Building Construction | Chris Higginbotham | 32      96  |
| BCT 120   | Floor Framing (3)                                    | Advanced Building Construction                                 | Chris Higginbotham | 14      42  |
| BCT 121   | Wall Framing (3)                                     | Advanced Building Construction                                 | Chris Higginbotham | 14      42  |
| BCT 128   | Exterior Finish (6)                                  | Advanced Building Construction                                 | Chris Higginbotham | 14      84  |
| BCT 226   | Finish Carpentry (2)                                 | Advanced Building Construction                                 | Chris Higginbotham | 14      28  |
| <b>Computer Applications and Office Systems</b> |  | <b>(Business &amp; Management)</b>                             |                    |             |
| CAS 109   | Beginning PowerPoint (1)                             | Computer Applications  | Theresa Broeren    | 15      15  |
| CAS 216A  | Beginning Word (1)                                   | Computer Applications  | Theresa Broeren    | 17      17  |
| <b>Environmental Studies</b>                    |  | <b>(Natural Resource Systems)</b>                              |                    |             |
| ESR 171   | Environmental Science: Biological Perspectives (4)   | AP Environmental Sciences                                      | Neil Borzcik       | 50      200 |
| <b>Landscape Technology</b>                     |  | <b>(Natural Resource Systems)</b>                              |                    |             |
| LAT 109   | Plant Propagation (3)                                | Introduction to Horticulture                                   | Jami Duyck         | 23      69  |
| <b>Math</b>                                     |  | <b>(None)</b>  |                    |             |
| MTH 112   | Elementary Functions (5)                             | Pre-Calculus   | Mike Wanner        | 57      285 |
| MTH 252   | Calculus II (5)                                      | Advanced Placement Calculus                                    | Pete Rusaw         | 5      25   |
| MTH 253   | Calculus III (5)                                     | AP Calculus BC   | Pete Rusaw         | 7      35   |



## 2012-2013 Articulation Details by Discipline and Career Pathway

### Courses Offered

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Forest Grove High School

#### Spring Term 2013

| <b>Medical Professions</b> |  | <b>(Health Services)</b>            |                |    |    |
|----------------------------|--|-------------------------------------|----------------|----|----|
| MP 111                     | Medical Terminology (4)                              | Medical Terminology                 | Jessica Gordon | 25 | 50 |
| <b>Welding</b>             |  | <b>(Industrial and Engineering)</b> |                |    |    |
| WLD 111                    | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Metals II, IV                       | Jami Duyck     | 0  | 0  |

#### Not Offered

| <b>Building Construction Technology</b>         |                                      | <b>(Industrial and Engineering)</b>   |                    |   |   |
|---|--------------------------------------|---------------------------------------|--------------------|---|---|
| BCT 104   | Construction Mathematics (3)         | Advanced Building Construction        | Chris Higginbotham | 0 | 0 |
| <b>Computer Applications and Office Systems</b> |                                      | <b>(Business &amp; Management)</b>    |                    |   |   |
| CAS 133   | Basic Computer Skill/MS Office (4)   | Advanced Computer Applications        | Theresa Broeren    | 0 | 0 |
| <b>Landscape Technology</b>                     |                                      | <b>(Natural Resource Systems)</b>     |                    |   |   |
| CSS 200   | Soils and Plant Nutrition (3)        | Introduction to Agriculture           | Jami Duyck         | 0 | 0 |
| HOR 290   | Introduction to Landscape Design (3) | Landscape Design & Nursery Production | Jami Duyck         | 0 | 0 |
| <b>Math</b>                                     |                                      | <b>(None)</b>                         |                    |   |   |
| MTH 111   | College Algebra (5)                  | Pre-Calculus                          | Pete Rusaw         | 0 | 0 |
| MTH 112   | Elementary Functions (5)             | Pre-Calculus                          | Pete Rusaw         | 0 | 0 |

|  |            |              |
|--|------------|--------------|
| <b>Summary for Forest Grove High School:</b> | <b>453</b> | <b>1,681</b> |
|--|------------|--------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Franklin High School

#### Winter Term 2013

##### Computer Applications and Office Systems

##### (Business & Management)

|          |                           |                                 |                 |     |     |
|----------|---------------------------|---------------------------------|-----------------|-----|-----|
| CAS 109  | Beginning PowerPoint (1)  | Computer Applications I         | Theresa Hawkins | 103 | 103 |
| CAS 109  | Beginning PowerPoint (1)  | Computer Applications I         | Clara Cook      | 91  | 91  |
| CAS 121  | Beginning Keyboarding (3) | Computer Applications I         | Clara Cook      | 148 | 444 |
| CAS 216A | Beginning Word (1)        | Computer Applications I         | Theresa Hawkins | 177 | 177 |
| OS 131   | 10-key on Calculators (1) | Business Office Technology I-IV | Theresa Hawkins | 15  | 15  |

##### Journalism

##### (None)

|       |   |              |               |    |    |
|-------|---|--------------|---------------|----|----|
| J 102 | Introduction to Information Gathering (4) | Journalism I | Kathryn Moore | 23 | 92 |
|-------|---|--------------|---------------|----|----|

#### Spring Term 2013

##### Building Construction Technology

##### (Industrial and Engineering)

|         |   |                                      |                   |    |    |
|---------|---|--------------------------------------|-------------------|----|----|
| BCT 106 | Hand Tool/Power Tool Use and Safety (3) | Intermediate & Advanced Construction | Jerome Mannenbach | 19 | 57 |
|---------|---|--------------------------------------|-------------------|----|----|

##### Business Administration

##### (Business & Management)

|        |                                |                 |                 |    |    |
|--------|--------------------------------|-----------------|-----------------|----|----|
| BA 111 | Introduction to Accounting (3) | Accounting I-II | Theresa Hawkins | 22 | 66 |
|--------|--------------------------------|-----------------|-----------------|----|----|

##### Computer Applications and Office Systems

##### (Business & Management)

|          |                                    |  |                 |    |     |
|----------|------------------------------------|--|-----------------|----|-----|
| CAS 109  | Beginning PowerPoint (1)           | Computer Applications I                        | Theresa Hawkins | 1  | 1   |
| CAS 109  | Beginning PowerPoint (1)           | Computer Applications I                        | Clara Cook      | 22 | 22  |
| CAS 121  | Beginning Keyboarding (3)          | Computer Applications I                        | Clara Cook      | 47 | 141 |
| CAS 133  | Basic Computer Skill/MS Office (4) | Computer Applications II; Office Technology IV | Theresa Hawkins | 98 | 392 |
| CAS 170  | Beginning Excel (3)                | Computerized Accounting & Spreadsheets         | Timothy Biamont | 7  | 21  |
| CAS 216  | Beginning Word (3)                 | Business Office Technology I-IV                | Theresa Hawkins | 8  | 24  |
| CAS 216A | Beginning Word (1)                 | Computer Applications I                        | Theresa Hawkins | 29 | 29  |

##### English

##### (None)

|         |  |                                   |            |    |     |
|---------|--|-----------------------------------|------------|----|-----|
| ENG 104 | Introduction to Literature (Fiction) (4) | Adventure Lit, World Lit and Film | Tim Hardin | 51 | 204 |
|---------|--|-----------------------------------|------------|----|-----|

##### Journalism

##### (None)

|       |                                   |                        |               |    |    |
|-------|-----------------------------------|------------------------|---------------|----|----|
| J 103 | Introduction to Media Writing (4) | Advanced Journalism II | Kathryn Moore | 22 | 88 |
|-------|-----------------------------------|------------------------|---------------|----|----|

##### Machine Manufacturing Technology

##### (Industrial and Engineering)

|         |   |                                  |                   |    |      |
|---------|---|----------------------------------|-------------------|----|------|
| MCH 100 | Machine Tool Basics (1)                       | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 6  | 6    |
| MCH 105 | Blueprint Reading I (1.5)                     | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 19 | 28.5 |
| MCH 110 | Blueprint Reading II (1.5)                    | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 2  | 3    |
| MCH 120 | Machine Shop Math (2)                         | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 125 | Speeds and Feeds (1)                          | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 135 | Basic Measuring Tools (1.5)                   | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 145 | Layout Tools (1.5)                            | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 150 | Precision Measuring Tools (1.5)               | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 160 | Drilling Machines & Operations (2)            | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 180 | Turning Machines and Operations (4)           | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |
| MCH 205 | Vertical Milling Machine and Operations (3.5) | Metals Manufacturing Inter & Adv | Jerome Mannenbach | 0  | 0    |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Franklin High School

#### Spring Term 2013

|                |  |                                     |                   |    |    |
|----------------|--|-------------------------------------|-------------------|----|----|
| MCH 290        | Mastercam Fundamentals Orientation (1)               | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |
| <b>Welding</b> |  | <b>(Industrial and Engineering)</b> |                   |    |    |
| WLD 111        | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 10 | 40 |
| WLD 112        | SMAW: Mild Steel I (E7018) (4)                       | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |
| WLD 113        | SMAW: Mild Steel II (E7018) (4)                      | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |
| WLD 114        | SMAW: Mild Steel III (E6011) (3)                     | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |
| WLD 115        | SMAW: Mild Steel IV (E6011) (3)                      | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |
| WLD 271        | Oxy-acetylene Welding Projects (3)                   | Metals Manufacturing Inter & Adv    | Jerome Mannenbach | 0  | 0  |

#### Not Offered

##### Business Administration

##### (Business & Management)

|        |                                |                 |                 |   |   |
|--------|--------------------------------|-----------------|-----------------|---|---|
| BA 111 | Introduction to Accounting (3) | Accounting I-II | Clara Cook      | 0 | 0 |
| BA 111 | Introduction to Accounting (3) | Accounting I-II | Timothy Biamont | 0 | 0 |

##### Computer Applications and Office Systems

##### (Business & Management)

|         |                                    |                          |                 |   |   |
|---------|------------------------------------|--------------------------|-----------------|---|---|
| CAS 109 | Beginning PowerPoint (1)           | Computer Applications I  | Timothy Biamont | 0 | 0 |
| CAS 121 | Beginning Keyboarding (3)          | Computer Applications I  | Timothy Biamont | 0 | 0 |
| CAS 133 | Basic Computer Skill/MS Office (4) | Computer Applications II | Clara Cook      | 0 | 0 |

**Summary for Franklin High School:**

**920      2,045**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Gaston High School

#### Winter Term 2013

| Building Construction Technology |   | (Industrial and Engineering) |           |    |
|----------------------------------|---|------------------------------|-----------|----|
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Woods I                      | Wade Sims | 9  |
| BCT 218                          | Woodworking Projects (2)                | Woods IV                     | Wade Sims | 3  |
|                                  |   |                              |           | 27 |
|                                  |   |                              |           | 6  |

#### Spring Term 2013

| Building Construction Technology |   | (Industrial and Engineering) |           |    |
|----------------------------------|---|------------------------------|-----------|----|
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Woods I                      | Wade Sims | 11 |
| BCT 216                          | Cabinetry I (2)                         | Woods II                     | Wade Sims | 24 |
| BCT 217                          | Cabinetry II (2)                        | Woods III                    | Wade Sims | 7  |
| BCT 218                          | Woodworking Projects (2)                | Woods IV                     | Wade Sims | 5  |
|                                  |   |                              |           | 33 |
|                                  |   |                              |           | 48 |
|                                  |   |                              |           | 14 |
|                                  |   |                              |           | 10 |

**Summary for Gaston High School:** **59** **138**

## 2012-2013 Articulation Details by Discipline and Career Pathway

### Courses Offered

| Discipline | (Career Pathway) | High School Course Title | Instructor | Duplicated Students | Credits Earned |
|------------|------------------|--------------------------|------------|---------------------|----------------|
|------------|------------------|--------------------------|------------|---------------------|----------------|

### Glencoe High School

#### Winter Term 2013

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                                    |                                |                 |    |    |
|----------|------------------------------------|--------------------------------|-----------------|----|----|
| CAS 109  | Beginning PowerPoint (1)           | Computer Applications          | Rebecca Hufford | 15 | 15 |
| CAS 121  | Beginning Keyboarding (3)          | Computer Keyboarding           | Eric Walker     | 18 | 54 |
| CAS 133  | Basic Computer Skill/MS Office (4) | Advanced Computer Applications | Rebecca Hufford | 0  | 0  |
| CAS 216A | Beginning Word (1)                 | Computer Applications          | Rebecca Hufford | 15 | 15 |

#### Machine Manufacturing Technology

#### (Industrial and Engineering)

|         |   |                                  |            |    |       |
|---------|---|----------------------------------|------------|----|-------|
| MCH 100 | Machine Tool Basics (1)                       | Machine/Welding II - First Year  | Rob Brauer | 43 | 43    |
| MCH 105 | Blueprint Reading I (1.5)                     | Machine/Welding II - Second Year | Rob Brauer | 0  | 0     |
| MCH 110 | Blueprint Reading II (1.5)                    | Machine/Welding II - Second Year | Rob Brauer | 0  | 0     |
| MCH 120 | Machine Shop Math (2)                         | Machine/Welding II - Second Year | Rob Brauer | 0  | 0     |
| MCH 125 | Speeds and Feeds (1)                          | Machine/Welding II - Second Year | Rob Brauer | 0  | 0     |
| MCH 135 | Basic Measuring Tools (1.5)                   | Machine/Welding II - First Year  | Rob Brauer | 43 | 64.5  |
| MCH 145 | Layout Tools (1.5)                            | Machine/Welding II - First Year  | Rob Brauer | 43 | 64.5  |
| MCH 150 | Precision Measuring Tools (1.5)               | Machine/Welding II - Second Year | Rob Brauer | 43 | 64.5  |
| MCH 160 | Drilling Machines & Operations (2)            | Machine/Welding II - First Year  | Rob Brauer | 43 | 86    |
| MCH 180 | Turning Machines and Operations (4)           | Machine/Welding II - First Year  | Rob Brauer | 43 | 172   |
| MCH 205 | Vertical Milling Machine and Operations (3.5) | Machine/Welding II - Second Year | Rob Brauer | 43 | 150.5 |

#### Management and Supervisory Development

#### (Business & Management)

|         |  |            |                 |   |    |
|---------|--|------------|-----------------|---|----|
| MSD 101 | Principles of Management and Supervision (3) | Management | Rebecca Hufford | 8 | 24 |
|---------|--|------------|-----------------|---|----|

#### Spring Term 2013

#### Architectural Design & Drafting

#### (Industrial and Engineering)

|          |                             |                 |                  |   |    |
|----------|-----------------------------|-----------------|------------------|---|----|
| ARCH 111 | Working Drawings 1 (3)      | Architecture II | Michael O'Connor | 4 | 12 |
| ARCH 126 | Introduction to AutoCAD (3) | Architecture I  | Michael O'Connor | 5 | 15 |

#### Business Administration

#### (Business & Management)

|        |                     |                        |             |   |   |
|--------|---------------------|------------------------|-------------|---|---|
| BA 111 | Today's Careers (2) | Career & Life Planning | Brooke Nova | 3 | 6 |
|--------|---------------------|------------------------|-------------|---|---|

#### Career Guidance & College Success

#### (None)

|        |                                |              |             |    |     |
|--------|--------------------------------|--------------|-------------|----|-----|
| CG 130 | Introduction to Accounting (3) | Accounting I | Eric Walker | 45 | 135 |
|--------|--------------------------------|--------------|-------------|----|-----|

#### Computer Aided Design & Drafting

#### (Industrial and Engineering)

|         |                             |             |                  |   |    |
|---------|-----------------------------|-------------|------------------|---|----|
| DRF 117 | Drafting Fundamentals (4)   | Drafting II | Michael O'Connor | 0 | 0  |
| DRF 126 | Introduction to AutoCAD (3) | Drafting I  | Michael O'Connor | 8 | 24 |

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                                    |                                |                 |    |    |
|----------|------------------------------------|--------------------------------|-----------------|----|----|
| CAS 109  | Beginning PowerPoint (1)           | Computer Applications          | Rebecca Hufford | 0  | 0  |
| CAS 121  | Beginning Keyboarding (3)          | Computer Keyboarding           | Eric Walker     | 22 | 66 |
| CAS 133  | Basic Computer Skill/MS Office (4) | Advanced Computer Applications | Rebecca Hufford | 0  | 0  |
| CAS 216A | Beginning Word (1)                 | Computer Applications          | Rebecca Hufford | 0  | 0  |

## 2012-2013 Articulation Details by Discipline and Career Pathway

### Courses Offered

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Glencoe High School

#### Spring Term 2013

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                    |                       |                 |   |   |
|----------|--------------------|-----------------------|-----------------|---|---|
| CAS 216A | Beginning Word (1) | Computer Applications | Rebecca Hufford | 0 | 0 |
|----------|--------------------|-----------------------|-----------------|---|---|

#### Early Education and Family Studies

#### (Human Resources)

|         |  |                   |                 |    |    |
|---------|--|-------------------|-----------------|----|----|
| ECE 120 | Introduction to Early Education and Family Studies (3) | Child Services I  | Shellie DeWhitt | 13 | 39 |
| ECE 132 | Early Childhood Field Work (2)                         | Child Services II | Shellie DeWhitt | 22 | 44 |

#### Medical Professions

#### (Health Services)

|        |                                 |                      |              |    |     |
|--------|---------------------------------|----------------------|--------------|----|-----|
| BI 55  | Human Biology (4)               | Anatomy & Physiology | Ron Romanick | 12 | 48  |
| MP 109 | Basic Medical Terminology I (2) | Medical Terminology  | Ron Romanick | 50 | 200 |

#### Welding

#### (Industrial and Engineering)

|         |                          |                                  |            |   |    |
|---------|--------------------------|----------------------------------|------------|---|----|
| WLD 262 | Basic Fabrication II (6) | Machine/Welding II - Second Year | Rob Brauer | 8 | 48 |
|---------|--------------------------|----------------------------------|------------|---|----|

#### Not Offered

#### Welding

#### (Industrial and Engineering)

|         |  |                                  |            |   |   |
|---------|--|----------------------------------|------------|---|---|
| WLD 111 | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Machine/Welding II - First Year  | Rob Brauer | 0 | 0 |
| WLD 112 | SMAW: Mild Steel I (E7018) (4)                       | Machine/Welding II - First Year  | Rob Brauer | 0 | 0 |
| WLD 114 | SMAW: Mild Steel III (E6011) (3)                     | Machine/Welding II - Second Year | Rob Brauer | 0 | 0 |
| WLD 131 | Gas Metal Arc Welding (3)                            | Machine/Welding II - Second Year | Rob Brauer | 0 | 0 |
| WLD 261 | Basic Fabrication I (6)                              | Machine/Welding II - Second Year | Rob Brauer | 0 | 0 |
| WLD 271 | Oxy-acetylene Welding Projects (3)                   | Machine/Welding II - Second Year | Rob Brauer | 0 | 0 |

**Summary for Glencoe High School:**

**549      1,390**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor | Duplicated<br>Students | Credits<br>Earned |
|--|--|------------|------------------------|-------------------|
|--|--|------------|------------------------|-------------------|

### Grant High School

#### Winter Term 2013

|                                  |  |              |    |     |
|----------------------------------|--|--------------|----|-----|
| <b>Biology</b>                   | <b>(None)</b>                          |              |    |     |
| BI 101    Biology (4)            | Biology                                | Amy Lindahl  | 74 | 296 |
| <b>Education</b>                 | <b>(None)</b>                          |              |    |     |
| ED 109    Library Procedures (3) | Student Library Assistant Internship I | Paige Battle | 15 | 45  |

#### Spring Term 2013

|   |   |              |    |     |
|---|---|--------------|----|-----|
| <b>Biology</b>                                      | <b>(None)</b>                           |              |    |     |
| BI 102    Biology (4)                               | Biology                                 | Amy Lindahl  | 78 | 312 |
| <b>Education</b>                                    | <b>(None)</b>                           |              |    |     |
| ED 111    Selection of Library Materials (3)        | Student Library Assistant Internship II | Paige Battle | 13 | 39  |
| <b>English</b>                                      | <b>(None)</b>                           |              |    |     |
| ENG 104    Introduction to Literature (Fiction) (4) | Contemporary American Fiction           | Paige Battle | 11 | 44  |

#### Summary for Grant High School:

**191      736**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Hillsboro High School

#### Winter Term 2013

#### Architectural Design & Drafting

#### (Industrial and Engineering)

|          |                                     |                   |           |   |   |
|----------|-------------------------------------|-------------------|-----------|---|---|
| ARCH 101 | Architectural Graphics 1 (3)        | Architecture 1, 2 | Don Domes | 1 | 3 |
| ARCH 111 | Working Drawings 1 (3)              | Architecture 2, 3 | Don Domes | 1 | 3 |
| ARCH 126 | Introduction to AutoCAD (3)         | Drafting 1, 2     | Don Domes | 0 | 0 |
| ARCH 140 | Introduction to CHIEF ARCHITECT (3) | Architecture 2, 3 | Don Domes | 3 | 9 |

#### Automotive Service Technology

#### (Industrial and Engineering)

|        |                                |                  |                |   |    |
|--------|--------------------------------|------------------|----------------|---|----|
| AM 100 | Introduction to Automotive (4) | Auto I, II & III | Glenn Campbell | 4 | 16 |
|--------|--------------------------------|------------------|----------------|---|----|

#### Computer Aided Design & Drafting

#### (Industrial and Engineering)

|         |                                     |               |           |   |    |
|---------|-------------------------------------|---------------|-----------|---|----|
| DRF 117 | Drafting Fundamentals (4)           | Drafting 1    | Don Domes | 1 | 4  |
| DRF 126 | Introduction to AutoCAD (3)         | Drafting 1, 2 | Don Domes | 0 | 0  |
| DRF 133 | Intermediate Drafting (4)           | Drafting 2, 3 | Don Domes | 0 | 0  |
| DRF 185 | AutoCAD Inventor - Fundamentals (3) | Drafting 1, 2 | Don Domes | 0 | 0  |
| DRF 270 | SolidWorks Fundamentals (3)         | SolidWorks    | Don Domes | 5 | 15 |

#### Early Education and Family Studies

#### (Human Resources)

|         |  |               |            |    |    |
|---------|--|---------------|------------|----|----|
| ECE 120 | Introduction to Early Education and Family Studies (3) | Child's World | Kelly Jett | 13 | 39 |
|---------|--|---------------|------------|----|----|

#### Landscape Technology

#### (Natural Resource Systems)

|         |                               |                              |              |   |   |
|---------|-------------------------------|------------------------------|--------------|---|---|
| CSS 200 | Soils and Plant Nutrition (3) | Introduction to Horticulture | John Stables | 2 | 8 |
| LAT 106 | Basic Horticulture (4)        | Horticulture Technology I    | John Stables | 0 | 0 |
| LAT 109 | Plant Propagation (3)         | Horticulture Technology II   | John Stables | 0 | 0 |

#### Spring Term 2013

#### Architectural Design & Drafting

#### (Industrial and Engineering)

|          |                                     |                   |           |    |    |
|----------|-------------------------------------|-------------------|-----------|----|----|
| ARCH 101 | Architectural Graphics 1 (3)        | Architecture 1, 2 | Don Domes | 2  | 6  |
| ARCH 111 | Working Drawings 1 (3)              | Architecture 2, 3 | Don Domes | 2  | 6  |
| ARCH 126 | Introduction to AutoCAD (3)         | Drafting 1, 2     | Don Domes | 0  | 0  |
| ARCH 140 | Introduction to CHIEF ARCHITECT (3) | Architecture 2, 3 | Don Domes | 10 | 30 |

#### Automotive Service Technology

#### (Industrial and Engineering)

|        |                                |                  |                |   |   |
|--------|--------------------------------|------------------|----------------|---|---|
| AM 100 | Introduction to Automotive (4) | Auto I, II & III | Glenn Campbell | 1 | 4 |
|--------|--------------------------------|------------------|----------------|---|---|

#### Computer Aided Design & Drafting

#### (Industrial and Engineering)

|         |                                     |               |           |    |    |
|---------|-------------------------------------|---------------|-----------|----|----|
| DRF 117 | Drafting Fundamentals (4)           | Drafting 1    | Don Domes | 2  | 8  |
| DRF 126 | Introduction to AutoCAD (3)         | Drafting 1, 2 | Don Domes | 1  | 3  |
| DRF 133 | Intermediate Drafting (4)           | Drafting 2, 3 | Don Domes | 1  | 4  |
| DRF 185 | AutoCAD Inventor - Fundamentals (3) | Drafting 1, 2 | Don Domes | 0  | 0  |
| DRF 270 | SolidWorks Fundamentals (3)         | SolidWorks    | Don Domes | 21 | 63 |

#### Early Education and Family Studies

#### (Human Resources)

|         |  |                       |            |    |    |
|---------|--|-----------------------|------------|----|----|
| ECE 120 | Introduction to Early Education and Family Studies (3) | Child's World         | Kelly Jett | 11 | 33 |
| ECE 132 | Early Childhood Field Work (2)                         | Child Services I & II | Kelly Jett | 8  | 16 |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor | Duplicated<br>Students | Credits<br>Earned |
|--|--|------------|------------------------|-------------------|
|--|--|------------|------------------------|-------------------|

### Hillsboro High School

#### Spring Term 2013

#### Electrical Engineering Technology

#### (Industrial and Engineering)

|         |                                   |                  |           |   |   |
|---------|-----------------------------------|------------------|-----------|---|---|
| EET 111 | Electrical Circuit Analysis I (5) | Electronics 2, 3 | Don Domes | 0 | 0 |
|---------|-----------------------------------|------------------|-----------|---|---|

#### Landscape Technology

#### (Natural Resource Systems)

|         |                        |                            |              |   |   |
|---------|------------------------|----------------------------|--------------|---|---|
| LAT 106 | Basic Horticulture (4) | Horticulture Technology I  | John Stables | 1 | 4 |
| LAT 109 | Plant Propagation (3)  | Horticulture Technology II | John Stables | 1 | 3 |

#### Microelectronics Technology

#### (None)

|        |  |                             |           |   |   |
|--------|--|-----------------------------|-----------|---|---|
| MT 101 | Intro to Semiconductor Manufacturing (1) | Electronic Technology 1     | Don Domes | 0 | 0 |
| MT 102 | Intro to Semiconductor Devices (1)       | Electronic Technology 1     | Don Domes | 0 | 0 |
| MT 103 | Intro to Micro and Nano Processing (1)   | Electronic Technology 1     | Don Domes | 0 | 0 |
| MT 111 | Electronic Circuits & Devices I (4)      | Electronics Technology 1, 2 | Don Domes | 0 | 0 |
| MT 121 | Digital Systems I (3)                    | Electronics Technology 3    | Don Domes | 0 | 0 |

**Summary for Hillsboro High School:**

**91      277**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Horizon Christian High School

#### Winter Term 2013

| Math                        | (None)       |                  |    |     |
|-----------------------------|--------------|------------------|----|-----|
| MTH 111 College Algebra (5) | Pre-Calculus | Richard Espinoza | 21 | 105 |
| MTH 251 Calculus I (4)      | Calculus     | Richard Espinoza | 6  | 24  |

#### Spring Term 2013

| Economics  | (None)         |              |   |    |
|--|----------------|--------------|---|----|
| EC 202 Principles of Economics: Macroeconomics (4) | Macroeconomics | Michael Gump | 3 | 12 |

| Math                             | (None)       |                  |    |     |
|----------------------------------|--------------|------------------|----|-----|
| MTH 112 Elementary Functions (5) | Pre-Calculus | Richard Espinoza | 21 | 105 |
| MTH 252 Calculus II (5)          | Calculus     | Richard Espinoza | 5  | 25  |

#### Not Offered

| Math                      | (None)     |                  |   |   |
|---------------------------|------------|------------------|---|---|
| MTH 243 Statistics I (5)  | Statistics | Richard Espinoza | 0 | 0 |
| MTH 244 Statistics II (4) | Statistics | Richard Espinoza | 0 | 0 |

|   |           |            |
|---|-----------|------------|
| <b>Summary for Horizon Christian High School:</b> | <b>56</b> | <b>271</b> |
|---|-----------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

**Courses Offered**

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

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### Jefferson High School

#### Spring Term 2013

**Art**

**(Arts & Communications)**

|         |                  |   |                    |   |   |
|---------|------------------|---|--------------------|---|---|
| ART 115 | Basic Design (3) | Advanced Placement 2-D Design Studio<br>Art | Amy Hargrave-Ellis | 3 | 9 |
|---------|------------------|---|--------------------|---|---|

**Dance**

**(Arts & Communications)**

|        |                       |                   |                |    |    |
|--------|-----------------------|-------------------|----------------|----|----|
| D 192A | Ballet I (1)          | Ballet IV         | Kristin Bacon  | 1  | 1  |
| D 192B | Ballet II (1)         | Ballet IV         | Kristin Bacon  | 2  | 2  |
| D 209  | Dance Performance (3) | Jefferson Dancers | Steve Gonzales | 11 | 33 |
| D 252  | Jazz Dance III (1)    | Jazz Dance IV     | Steve Gonzales | 13 | 13 |
| D 292  | Ballet III (1)        | Ballet IV         | Kristin Bacon  | 13 | 13 |

**Summary for Jefferson High School:**

**43      71**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor    | Duplicated<br>Students | Credits<br>Earned |
|--|--|---------------|------------------------|-------------------|
| <b>Lake Oswego High School</b>                                     |  |               |                        |                   |
| <b>Winter Term 2013</b>  |  |               |                        |                   |
| <b>Math</b>  | <b>(None)</b>                                |               |                        |                   |
| MTH 251 Calculus I (4)   | AP Calculus AB                               | Peter Dodson  | 0                      | 0                 |
| <b>Spring Term 2013</b>  |  |               |                        |                   |
| <b>General Science</b>   | <b>(Natural Resource Systems)</b>            |               |                        |                   |
| GS 108 Phys Sci (Oceanography) (4)                                 | Oceanography                                 | Jeff Goodrich | 4                      | 16                |
| <b>Math</b>  | <b>(None)</b>                                |               |                        |                   |
| MTH 252 Calculus II (5)  | AP Calculus AB                               | Peter Dodson  | 0                      | 0                 |
| MTH 253 Calculus III (5)   | AP Calculus BC                               | Peter Dodson  | 1                      | 5                 |
| <b>Music</b>   | <b>(Arts &amp; Communications)</b>           |               |                        |                   |
| MUS 195 Symphonic Band (1)   | Wind Ensemble (4 <sup>th</sup> Year)         | Dave Matthys  | 5                      | 5                 |
| <b>Professional Music</b>  | <b>(Arts &amp; Communications)</b>           |               |                        |                   |
| MUC 154A Band Performance Workshop (2)                             | Wind Ensemble (1 <sup>st</sup> Year)         | Dave Matthys  | 0                      | 0                 |
| MUC 154B Band Performance Workshop (2)                             | Wind Ensemble (2 <sup>nd</sup> Year)         | Dave Matthys  | 2                      | 4                 |
| MUC 154C Band Performance Workshop (2)                             | Wind Ensemble (3 <sup>rd</sup> Year)         | Dave Matthys  | 6                      | 12                |
| <b>Summary for Lake Oswego High School:</b>                        |  |               | <b>18</b>              | <b>42</b>         |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Lakeridge High School

#### Winter Term 2013

| <b>History</b> |   | <b>(None)</b>                        |              |    |    |
|----------------|---|--------------------------------------|--------------|----|----|
| HST 102        | Western Civilization: Medieval to Early Modern Europe (4) | AP European History (First Semester) | Ryan Rosenau | 24 | 96 |

| <b>Math</b> |                | <b>(None)</b>  |             |    |     |
|-------------|----------------|----------------|-------------|----|-----|
| MTH 251     | Calculus I (4) | AP Calculus AB | Terry Moore | 62 | 248 |

#### Spring Term 2013

| <b>History</b> |   | <b>(None)</b>                         |              |    |    |
|----------------|---|---------------------------------------|--------------|----|----|
| HST 103        | Western Civilization: Modern Europe (4) | AP European History (Second Semester) | Ryan Rosenau | 21 | 84 |

| <b>Math</b> |                  | <b>(None)</b>  |             |    |     |
|-------------|------------------|----------------|-------------|----|-----|
| MTH 252     | Calculus II (5)  | AP Calculus AB | Terry Moore | 58 | 290 |
| MTH 253     | Calculus III (5) | AP Calculus BC | Terry Moore | 15 | 75  |

| <b>Music</b> |                           | <b>(Arts &amp; Communications)</b> |                  |    |    |
|--------------|---------------------------|------------------------------------|------------------|----|----|
| MUS 221      | Chorus: Chamber Choir (1) | A Cappella Choir                   | William Campbell | 21 | 21 |

|   |            |            |
|---|------------|------------|
| <b>Summary for Lakeridge High School:</b> | <b>201</b> | <b>814</b> |
|---|------------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Liberty High School

#### Winter Term 2013

##### Computer Applications and Office Systems

##### (Business & Management)

|         |                                    |                                       |               |    |    |
|---------|------------------------------------|---------------------------------------|---------------|----|----|
| CAS 133 | Basic Computer Skill/MS Office (4) | Basic Business & Computer Application | David Douglas | 22 | 88 |
|---------|------------------------------------|---------------------------------------|---------------|----|----|

##### Early Education and Family Studies

##### (Human Resources)

|         |  |                   |                  |   |    |
|---------|--|-------------------|------------------|---|----|
| ECE 120 | Introduction to Early Education and Family Studies (3) | Child Development | Jessica Ackerman | 5 | 15 |
|---------|--|-------------------|------------------|---|----|

##### History

##### (None)

|         |                                    |                                |             |    |     |
|---------|------------------------------------|--------------------------------|-------------|----|-----|
| HST 201 | History of the United States I (4) | History of the United States I | Adam Mahlum | 53 | 212 |
|---------|------------------------------------|--------------------------------|-------------|----|-----|

##### Physics

##### (None)

|         |                               |         |               |    |    |
|---------|-------------------------------|---------|---------------|----|----|
| PHY 101 | Fundamentals of Physics I (4) | Physics | Milton Scholl | 15 | 60 |
|---------|-------------------------------|---------|---------------|----|----|

#### Spring Term 2013

##### Computer Applications and Office Systems

##### (Business & Management)

|         |                                    |                                       |               |    |    |
|---------|------------------------------------|---------------------------------------|---------------|----|----|
| CAS 133 | Basic Computer Skill/MS Office (4) | Basic Business & Computer Application | David Douglas | 20 | 80 |
|---------|------------------------------------|---------------------------------------|---------------|----|----|

##### Early Education and Family Studies

##### (Human Resources)

|         |  |                              |                  |   |    |
|---------|--|------------------------------|------------------|---|----|
| ECE 120 | Introduction to Early Education and Family Studies (3) | Child Development            | Jessica Ackerman | 9 | 27 |
| ECE 132 | Early Childhood Field Work (2)                         | Child Services Focus Program | Jessica Ackerman | 8 | 16 |

##### Emergency Medical Services

##### (Health Services)

|         |  |                |                |    |    |
|---------|--|----------------|----------------|----|----|
| EMS 120 | Emergency Medical Service: First Responder (3) | Fire Science I | Rodney Linz    | 12 | 36 |
| EMS 120 | Emergency Medical Service: First Responder (3) | Fire Science I | William Tuning | 11 | 33 |

##### Fire Protection

##### (Natural Resource Systems)

|         |   |                     |                |    |    |
|---------|---|---------------------|----------------|----|----|
| FP 101  | Introduction to Fire Protection (3)               | Fire Science I      | Rodney Linz    | 11 | 33 |
| FP 101  | Introduction to Fire Protection (3)               | Fire Science I      | William Tuning | 11 | 33 |
| FP 133  | Wildland Firefighter (3)                          | Fire Science I      | Rodney Linz    | 12 | 36 |
| FP 133  | Wildland Firefighter (3)                          | Fire Science I      | William Tuning | 11 | 33 |
| FP 201  | Emergency Service Rescue (4)                      | Fire Science II     | Rodney Linz    | 11 | 44 |
| FP 201  | Emergency Service Rescue (4)                      | Fire Science II     | William Tuning | 10 | 40 |
| FP 280B | Cooperative Education: Fire Science - Seminar (2) | Fire Science I & II | Rodney Linz    | 21 | 42 |
| FP 280B | Cooperative Education: Fire Science - Seminar (2) | Fire Science I & II | William Tuning | 40 | 80 |

##### History

##### (None)

|         |                                      |                                  |             |    |     |
|---------|--------------------------------------|----------------------------------|-------------|----|-----|
| HST 202 | History of the United States II (4)  | History of the United States II  | Adam Mahlum | 50 | 200 |
| HST 203 | History of the United States III (4) | History of the United States III | Adam Mahlum | 50 | 200 |

##### Physics

##### (None)

|         |                                 |         |               |    |    |
|---------|---------------------------------|---------|---------------|----|----|
| PHY 103 | Fundamentals of Physics III (4) | Physics | Milton Scholl | 16 | 64 |
|---------|---------------------------------|---------|---------------|----|----|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Liberty High School

#### Not Offered

| Physics                                 |                                | (None)     |            |              |
|---|--------------------------------|------------|------------|--------------|
| PHY 211                                 | General Physics (Calculus) (5) | AP Physics | 0          | 0            |
| PHY 213                                 | General Physics (Calculus) (5) | AP Physics | 0          | 0            |
| <b>Summary for Liberty High School:</b> |                                |            | <b>378</b> | <b>1,332</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Life Christian School

#### Spring Term 2013

|   |   |  |             |           |
|---|---|--|-------------|-----------|
| <b>Biology</b>                            |   | <b>(None)</b>                                  |             |           |
| BI 121                                    | Introduction of Human Anatomy & Physiology (4)  | Anatomy & Physiology                           | Erik Neill  | 7      28 |
| <b>Environmental Studies</b>              |   | <b>(None)</b>                                  |             |           |
| ESR 172                                   | Environmental Science: Chemical Perspective (4) | Environmental Science – A Chemical Perspective | Holly Neill | 6      24 |
| <b>Summary for Life Christian School:</b> |   |  | <b>13</b>   | <b>52</b> |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Madison High School

#### Spring Term 2013

|   |                                     |                     |                   |                     |
|---|-------------------------------------|---------------------|-------------------|---------------------|
| <b>English</b>                          |                                     | <b>(None)</b>       |                   |                     |
| WR 121                                  | English Composition (4)             | English Composition | Daniel Fredgant   | 30      120         |
| <b>Spanish</b>                          |                                     | <b>(None)</b>       |                   |                     |
| SPA 101                                 | First Year Spanish: First Term (4)  | Spanish 1-2         | Marisol Rodriguez | 16      64          |
| SPA 102                                 | First Year Spanish: Second Term (4) | Spanish 3-4         | Marisol Rodriguez | 66      264         |
| SPA 103                                 | First Year Spanish: Third Term (4)  | Spanish 5-6         | Marisol Rodriguez | 0      0            |
| <b>Summary for Madison High School:</b> |                                     |                     |                   | <b>112      448</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### McMinnville High School

#### Spring Term 2013

#### Building Construction Technology

#### (Industrial and Engineering)

|         |   |                 |                |   |   |
|---------|---|-----------------|----------------|---|---|
| BCT 104 | Construction Mathematics (3)            | Construction II | Shawn Keinonen | 0 | 0 |
| BCT 106 | Hand Tool/Power Tool Use and Safety (3) | Construction II | Shawn Keinonen | 0 | 0 |

#### English

#### (None)

|         |  |                  |               |    |    |
|---------|--|------------------|---------------|----|----|
| ENG 104 | Introduction to Literature (Fiction) (4) | Intro to Fiction | Kerrie Savage | 24 | 96 |
|---------|--|------------------|---------------|----|----|

#### Environmental Studies

#### (Natural Resource Systems)

|         |  |                          |              |   |    |
|---------|--|--------------------------|--------------|---|----|
| ESR 171 | Environmental Science: Biological Perspectives (4) | AP Environmental Science | Laura Syring | 8 | 32 |
|---------|--|--------------------------|--------------|---|----|

**Summary for McMinnville High School:**

**32      128**

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Merlo Station High School

#### Winter Term 2013

| Computer Applications and Office Systems |                                    | (Business & Management)  |             |    |    |
|--|------------------------------------|--------------------------|-------------|----|----|
| CAS 103                                  | Introduction to Windows (1)        | Computer Applications I  | Nancy Smith | 10 | 10 |
| CAS 104                                  | Basic Internet Skills (1)          | Computer Applications II | Nancy Smith | 0  | 0  |
| CAS 109                                  | Beginning PowerPoint (1)           | Computer Applications II | Nancy Smith | 0  | 0  |
| CAS 121A                                 | Beginning Keyboarding (1)          | Computer Applications I  | Nancy Smith | 10 | 10 |
| CAS 133                                  | Basic Computer Skill/MS Office (4) | Computer Applications II | Nancy Smith | 0  | 0  |
| CAS 216A                                 | Beginning Word (1)                 | Computer Applications I  | Nancy Smith | 10 | 10 |

#### Spring Term 2013

| Computer Applications and Office Systems |                                    | (Business & Management)  |             |   |    |
|--|------------------------------------|--------------------------|-------------|---|----|
| CAS 103                                  | Introduction to Windows (1)        | Computer Applications I  | Nancy Smith | 7 | 7  |
| CAS 104                                  | Basic Internet Skills (1)          | Computer Applications II | Nancy Smith | 7 | 7  |
| CAS 109                                  | Beginning PowerPoint (1)           | Computer Applications II | Nancy Smith | 7 | 7  |
| CAS 121A                                 | Beginning Keyboarding (1)          | Computer Applications I  | Nancy Smith | 7 | 7  |
| CAS 133                                  | Basic Computer Skill/MS Office (4) | Computer Applications II | Nancy Smith | 7 | 28 |
| CAS 216A                                 | Beginning Word (1)                 | Computer Applications I  | Nancy Smith | 7 | 7  |

|   |           |           |
|---|-----------|-----------|
| <b>Summary for Merlo Station High School:</b> | <b>72</b> | <b>93</b> |
|---|-----------|-----------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Newberg Campus High School

#### Winter Term 2013

|   |  |                                     |                |         |
|---|--|-------------------------------------|----------------|---------|
| <b>Computer Aided Design &amp; Drafting</b> |  | <b>(Industrial and Engineering)</b> |                |         |
| DRF 185                                     | AutoCAD Inventor - Fundamentals (3)                  | CAD Design                          | Terry Coss     | 27 81   |
| <b>Landscape Technology</b>                 |  | <b>(Natural Resource Systems)</b>   |                |         |
| LAT 106                                     | Basic Horticulture (4)                               | General Horticulture                | Peter Siderius | 8 32    |
| LAT 109                                     | Plant Propagation (3)                                | Ornamental Horticulture             | Peter Siderius | 1 3     |
| <b>Machine Manufacturing Technology</b>     |  | <b>(Industrial and Engineering)</b> |                |         |
| MCH 100                                     | Machine Tool Basics (1)                              | Robotics                            | Terry Coss     | 8 8     |
| MCH 105                                     | Blueprint Reading I (1.5)                            | Robotics                            | Terry Coss     | 9 13.5  |
| MCH 135                                     | Basic Measuring Tools (1.5)                          | Robotics                            | Terry Coss     | 9 13.5  |
| MCH 150                                     | Precision Measuring Tools (1.5)                      | Robotics                            | Terry Coss     | 13 19.5 |
| MCH 160                                     | Drilling Machines & Operations (2)                   | Robotics                            | Terry Coss     | 10 20   |
| MCH 175                                     | Band Saws (1)  | Robotics                            | Terry Coss     | 6 6     |
| MCH 180                                     | Turning Machines and Operations (4)                  | Robotics                            | Terry Coss     | 7 28    |
| MCH 195                                     | Threading on the Lathe (3)                           | Robotics                            | Terry Coss     | 4 12    |
| MCH 205                                     | Vertical Milling Machine and Operations (3.5)        | Robotics                            | Terry Coss     | 6 21    |
| MCH 210                                     | Project Machine Technology IV (6)                    | Robotics                            | Terry Coss     | 5 30    |
| <b>Math</b>                                 |  | <b>(None)</b>                       |                |         |
| MTH 111                                     | College Algebra (5)                                  | Pre-Calculus B                      | Sharon Walesby | 77 385  |
| MTH 251                                     | Calculus I (4)                                       | Calculus I                          | Bruce Sinkbeil | 38 152  |
| <b>Welding</b>                              |  | <b>(Industrial and Engineering)</b> |                |         |
| WLD 111                                     | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Welding I                           | Daniel Evonuk  | 0 0     |

#### Spring Term 2013

|   |  |  |                    |        |
|---|--|--|--------------------|--------|
| <b>Computer Aided Design &amp; Drafting</b> |  | <b>(Industrial and Engineering)</b>    |                    |        |
| DRF 185                                     | AutoCAD Inventor - Fundamentals (3)      | CAD Design                             | Terry Coss         | 11 33  |
| <b>English</b>                              |  | <b>(None)</b>                          |                    |        |
| ENG 104                                     | Introduction to Literature (Fiction) (4) | English/Literature                     | Catherine Kernodle | 70 280 |
| ENG 105                                     | Introduction to Literature (Drama) (4)   | English/Literature                     | Catherine Kernodle | 63 252 |
| ENG 105                                     | Introduction to Literature (Drama) (4)   | Literature of an Author I/Shakespeare  | Drea Ferguson      | 17 68  |
| ENG 213                                     | Latin American Literature (4)            | Latin American Literature              | Catherine Kernodle | 18 72  |
| WR 121                                      | English Composition (4)                  | English/Literature                     | Catherine Kernodle | 64 256 |
| WR 121                                      | English Composition (4)                  | Literature of an Author II/Shakespeare | Drea Ferguson      | 17 68  |
| <b>Landscape Technology</b>                 |  | <b>(Natural Resource Systems)</b>      |                    |        |
| LAT 106                                     | Basic Horticulture (4)                   | General Horticulture                   | Peter Siderius     | 1 4    |
| LAT 109                                     | Plant Propagation (3)                    | Ornamental Horticulture                | Peter Siderius     | 0 0    |

## 2012-2013 Articulation Details by Discipline and Career Pathway

### Courses Offered

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Newberg Campus High School

#### Spring Term 2013

| <b>Machine Manufacturing Technology</b>        |  | <b>(Industrial and Engineering)</b> |                |              |
|--|--|-------------------------------------|----------------|--------------|
| MCH 100  | Machine Tool Basics (1)                              | Robotics                            | Terry Coss     | 3 3          |
| MCH 105  | Blueprint Reading I (1.5)                            | Robotics                            | Terry Coss     | 2 3          |
| MCH 135  | Basic Measuring Tools (1.5)                          | Robotics                            | Terry Coss     | 2 3          |
| MCH 150  | Precision Measuring Tools (1.5)                      | Robotics                            | Terry Coss     | 1 1.5        |
| MCH 160  | Drilling Machines & Operations (2)                   | Robotics                            | Terry Coss     | 2 4          |
| MCH 175  | Band Saws (1)  | Robotics                            | Terry Coss     | 4 4          |
| MCH 180  | Turning Machines and Operations (4)                  | Robotics                            | Terry Coss     | 2 8          |
| MCH 195  | Threading on the Lathe (3)                           | Robotics                            | Terry Coss     | 2 6          |
| MCH 205  | Vertical Milling Machine and Operations (3.5)        | Robotics                            | Terry Coss     | 2 7          |
| MCH 210  | Project Machine Technology IV (6)                    | Robotics                            | Terry Coss     | 2 12         |
| <b>Math</b>                                    |  | <b>(None)</b>                       |                |              |
| MTH 112  | Elementary Functions (5)                             | Pre-Calculus A                      | Sharon Walesby | 66 325       |
| MTH 252  | Calculus II (5)                                      | Calculus II                         | Bruce Sinkbeil | 38 190       |
| <b>Theatre Arts</b>                            |  | <b>(Arts &amp; Communications)</b>  |                |              |
| TA 141   | Fundamentals of Acting Techniques (4)                | Drama/Acting                        | Drea Ferguson  | 22 88        |
| TA 148   | Movement for Stage (5)                               | Expressive Movements                | Drea Ferguson  | 15 45        |
| <b>Welding</b>                                 |  | <b>(Industrial and Engineering)</b> |                |              |
| WLD 111  | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4) | Welding I                           | Daniel Evonuk  | 8 32         |
| WLD 271  | Oxy-acetylene Welding Projects (3)                   | Welding II                          | Daniel Evonuk  | 3 9          |
| <b>Not Offered</b>                             |  |                                     |                |              |
| <b>Math</b>                                    |  | <b>(None)</b>                       |                |              |
| MTH 111  | College Algebra (5)                                  | Pre-Calculus B                      | Bruce Sinkbeil | 0 0          |
| MTH 112  | Elementary Functions (5)                             | Pre-Calculus A                      | Bruce Sinkbeil | 0 0          |
| MTH 251  | Calculus I (4)                                       | Calculus I                          | Sharon Walesby | 0 0          |
| MTH 252  | Calculus II (5)                                      | Calculus II                         | Sharon Walesby | 0 0          |
| <b>Summary for Newberg Campus High School:</b> |  |                                     | <b>644</b>     | <b>2,526</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Portland YouthBuilders

#### Summer Term 2012

| Building Construction Technology  |   | (Industrial and Engineering) |              |      |
|-----------------------------------|---|------------------------------|--------------|------|
| BCT 104                           | Construction Mathematics (3)            | Builders Math                | Dale Allen   | 0 0  |
| BCT 106                           | Hand Tool/Power Tool Use and Safety (3) | Tool Safety                  | Dale Allen   | 0 0  |
| BCT 120                           | Floor Framing (3)                       | Floor Framing                | Dale Allen   | 0 0  |
| BCT 121                           | Wall Framing (3)                        | Wall Framing                 | Dale Allen   | 0 0  |
| Career Guidance & College Success |   | (None)                       |              |      |
| CG 100A                           | College Survival and Success (3)        | College Survival and Success | Annie Marges | 4 12 |

#### Fall Term 2012

| Building Construction Technology  |   | (Industrial and Engineering)       |              |      |
|-----------------------------------|---|------------------------------------|--------------|------|
| BCT 104                           | Construction Mathematics (3)            | Builders Math                      | Dale Allen   | 0 0  |
| BCT 106                           | Hand Tool/Power Tool Use and Safety (3) | Tool Safety                        | Dale Allen   | 0 0  |
| BCT 120                           | Floor Framing (3)                       | Floor Framing                      | Dale Allen   | 0 0  |
| BCT 121                           | Wall Framing (3)                        | Wall Framing                       | Dale Allen   | 0 0  |
| BCT 206                           | Sustainable Construction Practices (3)  | Sustainable Construction Practices | Dale Allen   | 0 0  |
| Career Guidance & College Success |   | (None)                             |              |      |
| CG 100A                           | College Survival and Success (3)        | College Survival and Success       | Annie Marges | 5 15 |

#### Winter Term 2013

| Art                               |   | (Arts & Communication)             |                 |      |
|-----------------------------------|---|------------------------------------|-----------------|------|
| ART 115                           | Basic Design-2D Foundations (3)         | Basic Design-2D Foundations        | Jessica Pierson | 0 0  |
| Building Construction Technology  |   | (Industrial and Engineering)       |                 |      |
| BCT 104                           | Construction Mathematics (3)            | Builders Math                      | Dale Allen      | 0 0  |
| BCT 106                           | Hand Tool/Power Tool Use and Safety (3) | Tool Safety                        | Dale Allen      | 2 6  |
| BCT 120                           | Floor Framing (3)                       | Floor Framing                      | Dale Allen      | 0 0  |
| BCT 121                           | Wall Framing (3)                        | Wall Framing                       | Dale Allen      | 0 0  |
| BCT 206                           | Sustainable Construction Practices (3)  | Sustainable Construction Practices | Dale Allen      | 0 0  |
| Career Guidance & College Success |   | (None)                             |                 |      |
| CG 100                            | College Survival and Success (3)        | College Survival and Success       | Annie Marges    | 4 12 |

#### Spring Term 2013

| Art                              |   | (Arts & Communication)             |                 |       |
|----------------------------------|---|------------------------------------|-----------------|-------|
| ART 115                          | Basic Design-2D Foundations (3)         | Basic Design-2D Foundations        | Jessica Pierson | 11 33 |
| Building Construction Technology |   | (Industrial and Engineering)       |                 |       |
| BCT 104                          | Construction Mathematics (3)            | Builders Math                      | Dale Allen      | 0 0   |
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Tool Safety                        | Dale Allen      | 1 3   |
| BCT 120                          | Floor Framing (3)                       | Floor Framing                      | Dale Allen      | 0 0   |
| BCT 121                          | Wall Framing (3)                        | Wall Framing                       | Dale Allen      | 5 15  |
| BCT 206                          | Sustainable Construction Practices (3)  | Sustainable Construction Practices | Dale Allen      | 1 3   |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Portland YouthBuilders

#### Spring Term 2013

| Career Guidance & College Success          | (None)                       |              |           |            |
|--|------------------------------|--------------|-----------|------------|
| CG 100    College Survival and Success (3) | College Survival and Success | Annie Marges | 8         | 24         |
| <b>Summary for Portland YouthBuilders:</b> |                              |              | <b>41</b> | <b>123</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Rex Putnam High School

#### Spring Term 2013

| Theatre Arts                               |                                       |                   | (Arts & Communications) |           |            |
|--|---------------------------------------|-------------------|-------------------------|-----------|------------|
| TA 141                                     | Fundamentals of Acting Techniques (4) | Acting II         | Kelley Marchant         | 20        | 80         |
| TA 142                                     | Fundamentals of Acting Techniques (4) | Acting II/Year II | Kelley Marchant         | 10        | 40         |
| <b>Summary for Rex Putnam High School:</b> |                                       |                   |                         | <b>30</b> | <b>120</b> |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Riverdale High School

**Fall Term 2012**

|   |                     |                |           |            |
|---|---------------------|----------------|-----------|------------|
| <b>English</b>                            | <b>(None)</b>       |                |           |            |
| WR 121 English Composition (4)            | English Composition | Holly Finnerty | 25        | 100        |
| <b>Summary for Riverdale High School:</b> |                     |                | <b>25</b> | <b>100</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                                   | (Career Pathway)                     |                   | Duplicated | Credits   |
|---|--------------------------------------|-------------------|------------|-----------|
| Discipline  | High School Course Title             | Instructor        | Students   | Earned    |
| Courses under Agreement (credits)                 |                                      |                   |            |           |
| <b>Rosemary Anderson High School</b>              |                                      |                   |            |           |
| <b>Winter Term 2013</b>                           |                                      |                   |            |           |
| <b>Geography</b>                                  | <b>(None)</b>                        |                   |            |           |
| GEO 298 Independent Study: GIS (3)                | Independent Study: GIS               | Christina Friedle | 4          | 12        |
| <b>Reading</b>                                    | <b>(None)</b>                        |                   |            |           |
| RD 116 College Vocabulary Development (3)         | College Vocabulary Development       | Allison deFreese  | 9          | 27        |
| <b>Spring Term 2013</b>                           |                                      |                   |            |           |
| <b>English</b>                                    | <b>(None)</b>                        |                   |            |           |
| ENG 106 Introduction to Literature (Poetry) (4)   | Intro to Literature (Poetry)         | Allison deFreese  | 0          | 0         |
| ENG 195 Film Studies: Film as Art (4)             | Film as Art                          | Allison deFreese  | 5          | 20        |
| WR 121 English Composition (4)                    | Senior Honors Writing                | Allison deFreese  | 0          | 0         |
| <b>Not Offered</b>                                |                                      |                   |            |           |
| <b>English</b>                                    | <b>(None)</b>                        |                   |            |           |
| ENG 104 Introduction to Literature (Fiction) (4)  | Introduction to Literature (Fiction) | Allison deFreese  | 0          | 0         |
| <b>Summary for Rosemary Anderson High School:</b> |                                      |                   | <b>18</b>  | <b>59</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Sabin - Schellenberg Center

#### Winter Term 2013

| Fire Protection |                                     | (Natural Resource Systems) |             |    |
|-----------------|-------------------------------------|----------------------------|-------------|----|
| FP 101          | Introduction to Fire Protection (3) | Fire Science I             | Dennis Katz | 18 |
|                 |                                     |                            |             | 54 |

#### Spring Term 2013

| Architectural Design & Drafting |                              | (Industrial and Engineering) |                |    |
|---------------------------------|------------------------------|------------------------------|----------------|----|
| ARCH 101                        | Architectural Graphics 1 (3) | Computer Aided Design II     | Nancy Merchant | 13 |
| ARCH 111                        | Working Drawings 1 (3)       | Computer Aided Design II     | Nancy Merchant | 13 |
| ARCH 126                        | Introduction to AutoCAD (3)  | Computer Aided Design I      | Nancy Merchant | 27 |
|                                 |                              |                              |                | 81 |

| Computer Aided Design & Drafting |                             | (Industrial and Engineering) |                |    |
|----------------------------------|-----------------------------|------------------------------|----------------|----|
| DRF 126                          | Introduction to AutoCAD (3) | Computer Aided Design I      | Nancy Merchant | 15 |
|                                  |                             |                              |                | 30 |

| Fire Protection |   | (Natural Resource Systems) |             |    |
|-----------------|---|----------------------------|-------------|----|
| FP 280B         | Cooperative Education: Fire Science - Seminar (2) | Fire Science I             | Dennis Katz | 15 |
|                 |   |                            |             | 30 |

|   |  |  |           |            |
|---|--|--|-----------|------------|
| <b>Summary for Sabin - Schellenberg Center:</b> |  |  | <b>95</b> | <b>270</b> |
|---|--|--|-----------|------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered  | (Career Pathway)                       |                | Duplicated | Credits   |
|--|--|----------------|------------|-----------|
| Discipline   | High School Course Title               | Instructor     | Students   | Earned    |
| Courses under Agreement (credits)                              |  |                |            |           |
| <b>Scappoose High School</b>                                   |  |                |            |           |
| <b>Winter Term 2013</b>  |  |                |            |           |
| <b>Early Education and Family Studies</b>                      | <b>(Human Resources)</b>               |                |            |           |
| ECE 132 Early Childhood Field Work (2)                         | Child Development: Preschool III, IV   | Robyn Grabhorn | 8          | 16        |
| <b>Spring Term 2013</b>  |  |                |            |           |
| <b>Early Education and Family Studies</b>                      | <b>(Human Resources)</b>               |                |            |           |
| ECE 132 Early Childhood Field Work (2)                         | Child Development: Preschool III, IV   | Robyn Grabhorn | 7          | 14        |
| <b>Not Offered</b>   |  |                |            |           |
| <b>Early Education and Family Studies</b>                      | <b>(Human Resources)</b>               |                |            |           |
| ECE 120 Introduction to Early Education and Family Studies (3) | Child Development: Child's Exploration | Robyn Grabhorn | 0          | 0         |
| <b>Summary for Scappoose High School:</b>                      |  |                | <b>15</b>  | <b>22</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline     | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Sherwood High School

#### Fall Term 2012

|   |   |  |                   |        |
|---|---|--|-------------------|--------|
| <b>Anthropology</b>                             |   | <b>(None)</b>                              |                   |        |
| ATH 102   | Intro Archaeology & Prehistory (4)                        | Archaeology                                | Brian Trostel     | 26 104 |
| <b>Architectural Design &amp; Drafting</b>      |   | <b>(Industrial and Engineering)</b>        |                   |        |
| ARCH 140  | Introduction to CHIEF ARCHITECT (3)                       | Architecture 1                             | John Niebergall   | 0 0    |
| <b>Biology</b>                                  |   | <b>(None)</b>                              |                   |        |
| BI 121  | Introduction of Human Anatomy & Physiology (4)            | Introduction of Human Anatomy & Physiology | Lance Thurman     | 48 192 |
| <b>Computer Aided Design &amp; Drafting</b>     |   | <b>(Industrial and Engineering)</b>        |                   |        |
| DRF 117   | Drafting Fundamentals (4)                                 | Engineering 2                              | John Niebergall   | 16 64  |
| DRF 270   | SolidWorks Fundamentals (3)                               | Engineering 2                              | John Niebergall   | 16 48  |
| <b>Computer Applications and Office Systems</b> |   | <b>(Business &amp; Management)</b>         |                   |        |
| CAS 170A  | Beginning Excel (1)                                       | Computer Applications                      | Elizabeth Barrett | 57 57  |
| CAS 216A  | Beginning Word (1)  | Computer Applications                      | Elizabeth Barrett | 58 58  |
| <b>Machine Manufacturing Technology</b>         |   | <b>(None)</b>                              |                   |        |
| MCH 229   | Rapid Prototyping (5)                                     | Engineering 4                              | John Niebergall   | 0 0    |
| MCH 291   | Laser Cutting and Engraving Fundamentals (1)              | Engineering 3, 4, 5                        | John Niebergall   | 0 0    |
| MCH 290   | Mastercam Fundamentals Orientation (1)                    | Engineering 3, 4, 5                        | John Niebergall   | 8 8    |
| MCH 292   | FDM Additive Manufacturing Fundamentals Orientation (1.5) | Engineering 3, 4, 5                        | John Niebergall   | 9 13.5 |
| MCH 294   | 3 Dimensional Digital Laser Scanning Fundamentals (1.5)   | Engineering 3, 4, 5                        | John Niebergall   | 1 1.5  |
| <b>Math</b>                                     |   | <b>(None)</b>                              |                   |        |
| MTH 111   | College Algebra (5)                                       | Trigonometry & Pre-Calculus                | Teresa Swake      | 83 415 |
| MTH 111   | College Algebra (5)                                       | Trigonometry & Pre-Calculus                | Greg Ptaszynski   | 39 195 |
| MTH 251   | Calculus I (4)  | AP Calculus                                | Teresa Swake      | 80 320 |
| <b>Medical Professions</b>                      |   | <b>(Health Services)</b>                   |                   |        |
| MP 109  | Basic Medical Terminology I (2)                           | Health Occupations A & B                   | Kari Turner       | 0 0    |

#### Winter Term 2013

|  |  |   |                 |        |
|--|--|---|-----------------|--------|
| <b>Architectural Design &amp; Drafting</b> |  | <b>(Industrial and Engineering)</b>     |                 |        |
| ARCH 140                                   | Introduction to CHIEF ARCHITECT (3)            | Architecture 1                          | John Niebergall | 24 72  |
| <b>Biology</b>                             |  | <b>(None)</b>                           |                 |        |
| BI 122                                     | Introduction to Human Anatomy & Physiology (4) | Introduction Human Anatomy & Physiology | Lance Thurman   | 37 148 |
| <b>Building Construction Technology</b>    |  | <b>(Industrial and Engineering)</b>     |                 |        |
| BCT 106                                    | Hand Tool/Power Tool Use and Safety (3)        | Woods II, Basic Construction            | Jon Dickover    | 0 0    |

## 2012-2013 Articulation Details by Discipline and Career Pathway

### Courses Offered

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

## Sherwood High School

### Winter Term 2013

#### Computer Aided Design & Drafting

#### (Industrial and Engineering)

|         |                             |               |                 |   |    |
|---------|-----------------------------|---------------|-----------------|---|----|
| DRF 117 | Drafting Fundamentals (4)   | Engineering 2 | John Niebergall | 4 | 16 |
| DRF 270 | SolidWorks Fundamentals (3) | Engineering 2 | John Niebergall | 4 | 12 |

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                     |                                     |                   |    |    |
|----------|---------------------|-------------------------------------|-------------------|----|----|
| CAS 170A | Beginning Excel (1) | Computer Applications               | Elizabeth Barrett | 78 | 78 |
| CAS 216A | Beginning Word (1)  | Computer Applications               | Elizabeth Barrett | 78 | 78 |
| CAS 216A | Beginning Word (1)  | Architecture 2, Engineering 3, 4, 5 | John Niebergall   | 23 | 23 |

#### Machine Manufacturing Technology

#### (None)

|         |   |                     |                 |    |      |
|---------|---|---------------------|-----------------|----|------|
| MCH 229 | Rapid Prototyping (5)                                     | Engineering 4       | John Niebergall | 0  | 0    |
| MCH 290 | Mastercam Fundamentals Orientation (1)                    | Engineering 3, 4, 5 | John Niebergall | 0  | 0    |
| MCH 291 | Laser Cutting and Engraving Fundamentals (1)              | Engineering 3, 4, 5 | John Niebergall | 11 | 11   |
| MCH 292 | FDM Additive Manufacturing Fundamentals Orientation (1.5) | Engineering 3, 4, 5 | John Niebergall | 11 | 16.5 |
| MCH 294 | 3 Dimensional Digital Laser Scanning Fundamentals (1.5)   | Engineering 3, 4, 5 | John Niebergall | 0  | 0    |

#### Math

#### (None)

|         |                     |                               |                 |    |     |
|---------|---------------------|-------------------------------|-----------------|----|-----|
| MTH 111 | College Algebra (5) | Trigonometry & Pre-Calculus   | Greg Ptaszynski | 28 | 140 |
| MTH 111 | College Algebra (5) | Trigonometry & Pre-Calculus   | Teresa Swake    | 10 | 50  |
| MTH 243 | Statistics I (5)    | AP Probability and Statistics | Greg Ptaszynski | 61 | 305 |
| MTH 252 | Calculus II (5)     | AP Calculus                   | Teresa Swake    | 67 | 335 |

#### Medical Professions

#### (Health Services)

|        |                                  |                          |             |   |   |
|--------|----------------------------------|--------------------------|-------------|---|---|
| MP 110 | Basic Medical Terminology II ( ) | Health Occupations A & B | Kari Turner | 0 | 0 |
|--------|----------------------------------|--------------------------|-------------|---|---|

### Spring Term 2013

#### Architectural Design & Drafting

#### (Industrial and Engineering)

|          |                        |                |                 |    |    |
|----------|------------------------|----------------|-----------------|----|----|
| ARCH 111 | Working Drawings 1 (3) | Architecture 2 | John Niebergall | 11 | 33 |
|----------|------------------------|----------------|-----------------|----|----|

#### Building Construction Technology

#### (Industrial and Engineering)

|         |   |                              |              |   |   |
|---------|---|------------------------------|--------------|---|---|
| BCT 106 | Hand Tool/Power Tool Use and Safety (3) | Woods II, Basic Construction | Jon Dickover | 0 | 0 |
|---------|---|------------------------------|--------------|---|---|

#### Computer Applications and Office Systems

#### (Business & Management)

|          |                     |                                     |                   |   |   |
|----------|---------------------|-------------------------------------|-------------------|---|---|
| CAS 170A | Beginning Excel (1) | Computer Applications               | Elizabeth Barrett | 0 | 0 |
| CAS 216A | Beginning Word (1)  | Computer Applications               | Elizabeth Barrett | 0 | 0 |
| CAS 216A | Beginning Word (1)  | Architecture 2, Engineering 3, 4, 5 | John Niebergall   | 5 | 5 |

#### Computer Aided Design & Drafting

#### (Industrial and Engineering)

|         |                             |               |                 |    |    |
|---------|-----------------------------|---------------|-----------------|----|----|
| DRF 117 | Drafting Fundamentals (4)   | Engineering 2 | John Niebergall | 10 | 40 |
| DRF 270 | SolidWorks Fundamentals (3) | Engineering 2 | John Niebergall | 10 | 30 |

#### Machine Manufacturing Technology

#### (Industrial and Engineering)

|         |  |                     |                 |   |   |
|---------|--|---------------------|-----------------|---|---|
| MCH 229 | Rapid Prototyping (5)                        | Engineering 4       | John Niebergall | 0 | 0 |
| MCH 290 | Mastercam Fundamentals Orientation (1)       | Engineering 3, 4, 5 | John Niebergall | 0 | 0 |
| MCH 291 | Laser Cutting and Engraving Fundamentals (1) | Engineering 3, 4, 5 | John Niebergall | 7 | 7 |

## 2012-2013 Articulation Details by Discipline and Career Pathway

**Courses Offered**

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Sherwood High School

#### Spring Term 2013

| <b>Machine Manufacturing Technology</b> |   | <b>(Industrial and Engineering)</b> |                 |             |
|---|---|-------------------------------------|-----------------|-------------|
| MCH 292                                 | FDM Additive Manufacturing Fundamentals Orientation (1.5) | Engineering 3, 4, 5                 | John Niebergall | 5      7.5  |
| MCH 294                                 | 3 Dimensional Digital Laser Scanning Fundamentals (1.5)   | Engineering 3, 4, 5                 | John Niebergall | 0      0    |
| <b>Math</b>                             |   | <b>(None)</b>                       |                 |             |
| MTH 112                                 | Elementary Functions (5)                                  | Trigonometry & Pre-Calculus         | Greg Ptaszynski | 85      425 |
| MTH 112                                 | Elementary Functions (5)                                  | Trigonometry & Pre-Calculus         | Teresa Swake    | 11      55  |
| MTH 244                                 | Statistics II (4)   | AP Probability and Statistics       | Greg Ptaszynski | 14      56  |
| MTH 253                                 | Calculus III (5)  | AP Calculus                         | Teresa Swake    | 50      250 |
| <b>Medical Professions</b>              |   | <b>(Health Services)</b>            |                 |             |
| MP 111                                  | Medical Terminology (4)                                   | Health Occupations A & B            | Kari Turner     | 11      44  |

#### Not Offered

| <b>Math</b> |                  | <b>(None)</b> |                 |          |
|-------------|------------------|---------------|-----------------|----------|
| MTH 251     | Calculus I (4)   | AP Calculus   | Greg Ptaszynski | 0      0 |
| MTH 252     | Calculus II (5)  | AP Calculus   | Greg Ptaszynski | 0      0 |
| MTH 253     | Calculus III (5) | AP Calculus   | Greg Ptaszynski | 0      0 |

|  |              |              |
|--|--------------|--------------|
| <b>Summary for Sherwood High School:</b> | <b>1,096</b> | <b>3,713</b> |
|--|--------------|--------------|

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### South Albany High School

#### Winter Term 2013

| Building Construction Technology |   | (Industrial and Engineering) |               |    |     |
|----------------------------------|---|------------------------------|---------------|----|-----|
| BCT 106                          | Hand Tool/Power Tool Use and Safety (3) | Introduction to Woodworking  | Chava Neuhaus | 63 | 189 |
| BCT 216                          | Cabinetry I (2)                         | Cabinetmaking I              | Chava Neuhaus | 18 | 36  |

#### Spring Term 2013

| Building Construction Technology             |   | (Industrial and Engineering) |               |           |            |
|--|---|------------------------------|---------------|-----------|------------|
| BCT 106                                      | Hand Tool/Power Tool Use and Safety (3) | Introduction to Woodworking  | Chava Neuhaus | 0         | 0          |
| BCT 216                                      | Cabinetry I (2)                         | Cabinetmaking I              | Chava Neuhaus | 8         | 16         |
| BCT 217                                      | Cabinetry II (2)                        | Cabinetmaking II             | Chava Neuhaus | 9         | 18         |
| <b>Summary for South Albany High School:</b> |   |                              |               | <b>98</b> | <b>259</b> |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   |                          |            |            |         |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Southridge High School

#### Spring Term 2013

| American Sign Language                     |   | (Human Resources) |           |           |            |
|--|---|-------------------|-----------|-----------|------------|
| ASL 101                                    | First Year American Sign Language I (4)   | First Year ASL    | Tom Wills | 27        | 108        |
| ASL 102                                    | First Year American Sign Language II (4)  | Second Year ASL   | Tom Wills | 18        | 72         |
| ASL 103                                    | First Year American Sign Language III (4) | Third Year ASL    | Tom Wills | 10        | 40         |
| <b>Summary for Southridge High School:</b> |   |                   |           | <b>55</b> | <b>220</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline                                  | (Career Pathway)                      |                 | Duplicated | Credits    |
|--|---------------------------------------|-----------------|------------|------------|
| Courses under Agreement (credits)                              | High School Course Title              | Instructor      | Students   | Earned     |
| <b>St. Helens High School</b>                                  |                                       |                 |            |            |
| <b>Spring Term 2013</b>  |                                       |                 |            |            |
| <b>Architectural Design &amp; Drafting</b>                     |                                       |                 |            |            |
| <b>(Industrial and Engineering)</b>                            |                                       |                 |            |            |
| ARCH 111 Working Drawings 1 (3)                                | Advanced Technical Drawing            | John Tainter    | 0          | 0          |
| ARCH 140 Introduction to CHIEF ARCHITECT (3)                   | Advanced Technical Drawing            | John Tainter    | 0          | 0          |
| <b>Automotive Service Technology</b>                           |                                       |                 |            |            |
| <b>(Industrial and Engineering)</b>                            |                                       |                 |            |            |
| AM 100 Introduction to Automotive (4)                          | Automotive Technology II-IV           | Mike Herdrich   | 8          | 32         |
| AM 111 Engine Repair (4)                                       | Automotive Technology I               | Mike Herdrich   | 9          | 36         |
| AM 151 Undercar Systems I (4)                                  | Automotive Technology III-IV          | Mike Herdrich   | 8          | 32         |
| AM 161 Electrical I (4)  | Automotive Technology III-IV          | Mike Herdrich   | 9          | 36         |
| <b>Building Construction Technology</b>                        |                                       |                 |            |            |
| <b>(Industrial and Engineering)</b>                            |                                       |                 |            |            |
| BCT 103 Residential Materials/Methods (3)                      | Building Construction                 | Joseph Mauck    | 0          | 0          |
| BCT 106 Hand Tool/Power Tool Use and Safety (3)                | Building Construction                 | Joseph Mauck    | 8          | 24         |
| BCT 218 Woodworking Projects (2)                               | Building Construction and Woodworking | Joseph Mauck    | 9          | 18         |
| <b>Computer Aided Design &amp; Drafting</b>                    |                                       |                 |            |            |
| <b>(Industrial and Engineering)</b>                            |                                       |                 |            |            |
| DRF 117 Drafting Fundamentals (4)                              | Technical Drawing I & II              | John Tainter    | 0          | 0          |
| DRF 270 SolidWorks Fundamentals (3)                            | SolidWorks Fundamentals               | John Tainter    | 0          | 0          |
| <b>Computer Applications &amp; Office Systems</b>              |                                       |                 |            |            |
| <b>(Business &amp; Management)</b>                             |                                       |                 |            |            |
| CAS 106 Introduction to HTML (1)                               | Computer Programming/Web Development  | Joe Osorio      | 14         | 14         |
| CAS 111D Beginning Website: Dreamweaver (3)                    | Computer Programming/Web Development  | Joe Osorio      | 14         | 42         |
| <b>Early Education and Family Studies</b>                      |                                       |                 |            |            |
| <b>(Human Resources)</b>                                       |                                       |                 |            |            |
| ECE 120 Introduction to Early Education and Family Studies (3) | Child Development I and II            | Martine Barnett | 14         | 42         |
| ECE 132 Early Childhood Field Work (2)                         | ECE                                   | Martine Barnett | 9          | 18         |
| <b>Not Offered</b>   |                                       |                 |            |            |
| <b>Computer Applications &amp; Office Systems</b>              |                                       |                 |            |            |
| <b>(Business &amp; Management)</b>                             |                                       |                 |            |            |
| CAS 103 Introduction to Windows (1)                            | Business Tech I                       | Joe Osorio      | 0          | 0          |
| CAS 109 Beginning PowerPoint (1)                               | Business Tech I                       | Joe Osorio      | 0          | 0          |
| CAS 133 Basic Computer Skills/Microsoft Office (4)             | Business Tech II                      | Joe Osorio      | 0          | 0          |
| <b>Summary for St. Helens High School:</b>                     |                                       |                 | <b>102</b> | <b>294</b> |

# 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

## Sunset High School

### Spring Term 2013

| Business Administration                | (Business & Management) |              |           |            |
|--|-------------------------|--------------|-----------|------------|
| BA 101    Introduction to Business (4) | Marketing III (Hybrid)  | Nicole Taylo | 42        | 168        |
| <b>Summary for Sunset High School:</b> |                         |              | <b>42</b> | <b>168</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Tigard High School

#### Winter Term 2013

##### Automotive Service Technology

##### (Industrial and Engineering)

|        |                                |             |          |   |   |
|--------|--------------------------------|-------------|----------|---|---|
| AM 100 | Introduction to Automotive (4) | Auto Tech 1 | Jay Butz | 0 | 0 |
| AM 111 | Engine Repair (4)              | Auto Tech 1 | Jay Butz | 0 | 0 |

##### History

##### (None)

|         |                                      |                     |                 |    |     |
|---------|--------------------------------------|---------------------|-----------------|----|-----|
| HST 201 | History of the United States I (4)   | Advanced US History | Murray Carlisle | 46 | 184 |
| HST 201 | History of the United States I (4)   | Advanced US History | Dave Unis       | 72 | 288 |
| HST 201 | History of the United States I (4)   | Honors U.S. History | Dave Unis       | 34 | 136 |
| HST 202 | History of the United States II (4)  | Honors U.S. History | Dave Unis       | 35 | 140 |
| HST 203 | History of the United States III (4) | Honors U.S. History | Dave Unis       | 34 | 136 |

##### Journalism

##### (None)

|       |                                   |                        |             |   |    |
|-------|-----------------------------------|------------------------|-------------|---|----|
| J 103 | Introduction to Media Writing (4) | Advanced Journalism II | Nancy Mayer | 6 | 24 |
|-------|-----------------------------------|------------------------|-------------|---|----|

##### Psychology

##### (Health Services)

|          |                                  |                 |            |     |     |
|----------|----------------------------------|-----------------|------------|-----|-----|
| PSY 201A | Intro to Psychology - Part I (4) | IB Psychology I | Frank Caro | 102 | 408 |
|----------|----------------------------------|-----------------|------------|-----|-----|

#### Spring Term 2013

##### Automotive Service Technology

##### (Industrial and Engineering)

|        |                   |             |          |   |   |
|--------|-------------------|-------------|----------|---|---|
| AM 111 | Engine Repair (4) | Auto Tech 1 | Jay Butz | 0 | 0 |
|--------|-------------------|-------------|----------|---|---|

##### Biology

##### (None)

|        |             |           |              |    |     |
|--------|-------------|-----------|--------------|----|-----|
| BI 101 | Biology (4) | IB Bio I  | Karen Harris | 91 | 364 |
| BI 102 | Biology (4) | IB Bio II | Karen Harris | 35 | 140 |
| BI 103 | Biology (4) | IB Bio II | Karen Harris | 35 | 140 |

##### History

##### (None)

|         |                                      |                       |                 |    |     |
|---------|--------------------------------------|-----------------------|-----------------|----|-----|
| HST 201 | History of the United States I (4)   | Honors U.S. History   | Dave Unis       | 42 | 168 |
| HST 202 | History of the United States II (4)  | Advanced U.S. History | Murray Carlisle | 51 | 204 |
| HST 202 | History of the United States II (4)  | Advanced U.S. History | Dave Unis       | 70 | 280 |
| HST 202 | History of the United States II (4)  | Honors U.S. History   | Dave Unis       | 42 | 168 |
| HST 203 | History of the United States III (4) | Advanced U.S. History | Murray Carlisle | 51 | 204 |
| HST 203 | History of the United States III (4) | Advanced U.S. History | Dave Unis       | 70 | 280 |
| HST 203 | History of the United States III (4) | Honors U.S. History   | Dave Unis       | 42 | 168 |

##### Psychology

##### (Health Services)

|          |                                   |                  |            |    |     |
|----------|-----------------------------------|------------------|------------|----|-----|
| PSY 202A | Intro to Psychology - Part II (4) | IB Psychology II | Frank Caro | 41 | 164 |
|----------|-----------------------------------|------------------|------------|----|-----|

#### Not Offered

##### Biology

##### (None)

|        |             |          |                      |    |     |
|--------|-------------|----------|----------------------|----|-----|
| BI 101 | Biology (4) | IB Bio I | Michael Weitzhandler | 50 | 200 |
|--------|-------------|----------|----------------------|----|-----|

**Summary for Tigard High School:**

**899      3,596**

## 2012-2013 Articulation Details by Discipline and Career Pathway

**Courses Offered**

| Discipline                        | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Courses under Agreement (credits) | High School Course Title | Instructor | Students   | Earned  |

### Tualatin High School

**Spring Term 2013**

| Early Education and Family Studies       |  | (Human Resources)     |            |           |            |
|--|--|-----------------------|------------|-----------|------------|
| ECE 120                                  | Introduction to Early Education and Family Studies (3) | Child Services I & II | Sarah Lind | 35        | 105        |
| ECE 132                                  | Early Childhood Field Work (2)                         | Child Services I & II | Sarah Lind | 35        | 70         |
| <b>Summary for Tualatin High School:</b> |  |                       |            | <b>70</b> | <b>175</b> |

# 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

## Valley Catholic High School

### Spring Term 2013

| Biology   |             | (None)           |           |            |            |
|---|-------------|------------------|-----------|------------|------------|
| BI 101  | Biology (4) | Advanced Biology | Amy Lacks | 18         | 72         |
| BI 102  | Biology (4) | Advanced Biology | Amy Lacks | 18         | 72         |
| BI 103  | Biology (4) | Advanced Biology | Amy Lacks | 18         | 72         |
| <b>Summary for Valley Catholic High School:</b> |             |                  |           | <b>102</b> | <b>294</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered<br>Discipline<br>Courses under Agreement (credits) | (Career Pathway)<br>High School Course Title | Instructor | Duplicated<br>Students | Credits<br>Earned |
|--|--|------------|------------------------|-------------------|
|--|--|------------|------------------------|-------------------|

### Westview High School

#### Winter Term 2013

| English                                   | (None)                 |                 |    |     |
|---|------------------------|-----------------|----|-----|
| ENG 254 Survey of American Literature (4) | Senior English Seminar | Elizabeth Neely | 32 | 128 |

#### Spring Term 2013

| Early Education and Family Studies                             | (Human Resources)               |                 |            |            |
|--|---------------------------------|-----------------|------------|------------|
| ECE 120 Introduction to Early Education and Family Studies (3) | Child Development II            | Claire Floyd    | 7          | 21         |
| ECE 132 Early Childhood Field Work (2)                         | Child Development III           | Claire Floyd    | 7          | 14         |
| Engineering  | (Industrial and Engineering)    |                 |            |            |
| ENGR 100 Exploring Engineering (1)                             | Exploring Engineering           | Brian Gerber    | 31         | 31         |
| English  | (None)                          |                 |            |            |
| WR 122 English Composition (4)                                 | Advanced Senior English Seminar | Elizabeth Neely | 25         | 100        |
| <b>Summary for Westview High School:</b>                       |                                 |                 | <b>102</b> | <b>294</b> |

# 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

## William P. Lord High School

### Summer Term 2012

| Music   | (Arts & Communications) |             |          |          |
|---|-------------------------|-------------|----------|----------|
| MUS 190 Introduction to the Piano (2)           | Introduction to Piano   | Ed Whitlock | 1        | 2        |
| <b>Summary for William P. Lord High School:</b> |                         |             | <b>1</b> | <b>2</b> |



## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Wilson High School

#### Spring Term 2013

| Computer Applications and Office Systems       | (Business & Management)           |                 |           |           |
|--|-----------------------------------|-----------------|-----------|-----------|
| CAS 208    Beginning Photoshop for the Web (3) | Digital Media Design & Production | Martin Douglass | 31        | 93        |
| <b>Summary for Wilson High School:</b>         |                                   |                 | <b>31</b> | <b>93</b> |

## 2012-2013 Articulation Details by Discipline and Career Pathway

| Courses Offered                   | (Career Pathway)         |            | Duplicated | Credits |
|-----------------------------------|--------------------------|------------|------------|---------|
| Discipline                        | High School Course Title | Instructor | Students   | Earned  |
| Courses under Agreement (credits) |                          |            |            |         |

### Wilsonville High School

#### Winter Term 2013

|   |                                     |                   |    |    |
|---|-------------------------------------|-------------------|----|----|
| <b>Computer Aided Design &amp; Drafting</b> | <b>(Industrial and Engineering)</b> |                   |    |    |
| DRF 126 Introduction to AutoCAD (3)         | Beginning CAD                       | Judy Morris-Green | 28 | 84 |

#### Spring Term 2013

|   |                                     |                   |   |   |
|---|-------------------------------------|-------------------|---|---|
| <b>Architectural Design &amp; Drafting</b>  | <b>(Industrial and Engineering)</b> |                   |   |   |
| ARCH 111 Working Drawings 1 (3)             | Architectural Drafting I            | Judy Morris-Green | 1 | 3 |
| <b>Computer Aided Design &amp; Drafting</b> | <b>(Industrial and Engineering)</b> |                   |   |   |
| DRF 117 Drafting Fundamentals (4)           | Engineering                         | Judy Morris-Green | 2 | 8 |
| DRF 126 Introduction to AutoCAD (3)         | Beginning CAD                       | Judy Morris-Green | 0 | 0 |

|   |  |  |           |           |
|---|--|--|-----------|-----------|
| <b>Summary for Wilsonville High School:</b> |  |  | <b>31</b> | <b>95</b> |
|---|--|--|-----------|-----------|

# GLOSSARY OF TERMS

**40-40-20 Goal** - Education initiative of Oregon Governor John Kitzhaber. The 40-40-20 targets propose goals of 40% of the population having a four year college degree by 2025, 40% of the population have post-secondary training, and the remaining 20% having a high School degree or equivalent (in benchmark terms this equates to 100% of the population having a high school diploma or equivalent).

**Career & Technical Education (CTE) courses** - An approved coherent sequence of academic and occupational courses within a CTE program that is articulated by a two-year certificate, degree, technical diploma or apprenticeship program at a postsecondary institution.

**Course Content & Outcome Guides (CCOGs)** - Portland Community College's course description and outcome guides. [www.pcc.edu/ccog](http://www.pcc.edu/ccog)

**Course Reference Number (CRN)** - A CRN, is the 5-digit number that is assigned to each course at PCC and used to register for a course.

**Department of Community Colleges Workforce Development (CCWD)** - The State Board of Education and the CCWD distribute state aid to community colleges, approve new programs and courses, and adopt rules for the general governance of community colleges.

**Dual Credit** - Dual credit is defined as awarding secondary and postsecondary credit for a course offered in a high school during regular school hours, as determined by local school board and community college board policy. (*Accelerated College Credit Opportunities for Oregon High School Student-ODE Primer and OAR 589-007-0200*)

**Educational Advisory Council (EAC)** - PCC's EAC crafts and revises policies and standards pertaining to academic, curricular, student development, and student governance issues and makes recommendations to the district president. The EAC provides an opportunity for discussion and exchange of views regarding educational issues at PCC-whether initiated by students, faculty, staff, or administration.

**Full-time Equivalency (FTE)** - For each 510 hours of instructional time provided to students in select courses a college is awarded one FTE for reimbursement. College finding is based in part on the development of FTE. Also, see OAR 589-002-0100 (7).

**Subject Area Committee (SAC)** - At PCC, the key elements of curriculum and instruction are developed by the SAC's which are comprised of the teaching faculty in the program/discipline.

**Student Handbook** - A Dual Credit student handbook is an informational and resource guide for students, parents, etc. regarding the dual credit program. It often contains information on student expectations, responsibilities, grading, registrations procedures, and cost.

**University Transfer (UT) (also called Lower Division Collegiate (LDC)) courses** - Collegiate level work in areas of instruction that parallel the offerings of the first two years of Oregon's four-year institutions, and are generally accepted for transfer by Oregon's public higher education institutions. (OAR 581-006-0050(29)). <http://www.oregon.gov/CCWD/pdf/FTE/FTEGuidelines.pdf>

**Wiki Space** - The intended goal of the PCC Dual Credit Wiki Space was to provide online access for high schools and their PCC counterparts to share syllabi, teaching resources, rubrics, and best practices of the articulated courses. The Wiki Space is also a way to help PCC departments review/reference syllabi annually, as well as a way for departments to share their syllabi and course information with articulating high school faculty.

# APPENDIX OF PREVIOUSLY APPROVED COURSES

Following is a list of courses at PCC that have previously been approved to articulate with high schools. Courses articulated for PCC Dual Credit are not limited to this list.

| PROGRAM AREA                     | COURSE # | PCC COURSE NAME                               | CREDITS |
|----------------------------------|----------|---|---------|
| Automotive Service Technology    | AM 100   | Introduction to Automotive                    | 4       |
|                                  | AM 111   | Engine Repair                                 | 4       |
|                                  | AM 151   | Undercar Systems I                            | 4       |
|                                  | AM 161   | Electrical I                                  | 4       |
| Architectural Design & Drafting  | ARCH 100 | Graphic Communication for Designers           | 3       |
|                                  | ARCH 101 | Architectural Graphics I                      | 3       |
|                                  | ARCH 111 | Working Drawings I                            | 3       |
|                                  | ARCH 126 | Introduction to AutoCAD                       | 3       |
|                                  | ARCH 136 | Intermediate AutoCAD                          | 3       |
|                                  | ARCH 140 | Introduction to Chief Architect               | 3       |
|                                  | ARCH 200 | Intro to Architecture                         | 4       |
| Art                              | ART 115  | Basic Design-2D Foundations                   | 3       |
|                                  | ART 131  | Introduction to Drawing                       | 3       |
|                                  | ART 142  | Intro to Black & White Photography (Darkroom) | 3       |
|                                  | ART 218  | Lettering & Calligraphy I                     | 2       |
|                                  | ART 220  | Advanced Lettering and Seminar                | 2       |
| American Sign Language           | ASL 101  | First Year American Sign Language I           | 4       |
|                                  | ASL 102  | First Year American Sign Language II          | 4       |
|                                  | ASL 103  | First Year American Sign Language III         | 4       |
| Anthropology                     | ATH 102  | Introduction to Archaeology & Prehistory      | 4       |
| Business Administration          | BA 101   | Introduction to Business                      | 4       |
|                                  | BA 111   | Introduction to Accounting                    | 3       |
| Building Construction Technology | BCT 100  | Overview of Construction                      | 3       |

# APPENDIX OF PREVIOUSLY APPROVED COURSES

| PROGRAM AREA                     | COURSE # | PCC COURSE NAME                        | CREDITS |
|----------------------------------|----------|--|---------|
| Building Construction Technology | BCT 102  | Residential Printreading               | 3       |
|                                  | BCT 104  | Construction Math                      | 3       |
|                                  | BCT 106  | Hand Tool/Power Tool Use and Safety    | 3       |
|                                  | BCT 120  | Floor Framing                          | 3       |
|                                  | BCT 121  | Wall Framing                           | 3       |
|                                  | BCT 127  | Concrete Construction I                | 6       |
|                                  | BCT 128  | Exterior Finish                        | 6       |
|                                  | BCT 216  | Cabinetry I                            | 2       |
|                                  | BCT 217  | Cabinetry II                           | 2       |
|                                  | BCT 218  | Woodworking Projects                   | 2       |
|                                  | BCT 206  | Sustainable Construction Practices     | 3       |
|                                  | BCT 226  | Finish Carpentry                       | 2       |
|                                  | Biology  | BI 101                                 | Biology |
| BI 102                           |          | Biology                                | 4       |
| BI 103                           |          | Biology                                | 4       |
| BI 121                           |          | Intro to Human Anatomy & Physiology I  | 4       |
| BI 122                           |          | Intro to Human Anatomy & Physiology II | 4       |
| Computer Applications Systems    | CAS 103  | Introduction to Windows                | 1       |
|                                  | CAS 104  | Basic Internet Skills                  | 1       |
|                                  | CAS 106  | Introduction to X/HTML                 | 1       |
|                                  | CAS 109  | Beginning PowerPoint                   | 1       |
|                                  | CAS 111D | Beginning Website: Dreamweaver         | 3       |
|                                  | CAS 121  | Beginning Keyboarding                  | 3       |
|                                  | CAS 121A | Beginning Keyboarding                  | 1       |
|                                  | CAS 133  | Basic Computer Skills/MS Office        | 4       |
|                                  | CAS 140  | Beginning Access                       | 3       |

| PROGRAM AREA                      | COURSE # | PCC COURSE NAME                                     | CREDITS |
|-----------------------------------|----------|---|---------|
| Computer Application Systems      | CAS 170  | Beginning Excel                                     | 3       |
|                                   | CAS 170A | Beginning Excel                                     | 1       |
|                                   | CAS 175  | Introduction to Flash                               | 3       |
|                                   | CAS 206  | Principles of HTML/XHTML                            | 4       |
|                                   | CAS 208  | Beginning Photoshop for the Web                     | 3       |
|                                   | CAS 216  | Beginning Word                                      | 3       |
|                                   | CAS 216A | Beginning Word                                      | 1       |
|                                   | CAS 246  | Integrated Computer Projects                        | 4       |
| College Success & Career Guidance | CG 100   | College Survival and Success                        | 3       |
|                                   | CG 100A  | College Survival and Success                        | 3       |
|                                   | CG 100B  | College Survival and Success                        | 2       |
|                                   | CG 100C  | College Survival and Success                        | 1       |
|                                   | CG 101   | College Survival & Success: Personal Responsibility | 1       |
|                                   | CG 111A  | Study Skills for College Learning                   | 3       |
|                                   | CG 111C  | Study Skills for College Learning                   | 1       |
|                                   | CG 130   | Today's Careers                                     | 2       |
|                                   | CG 140A  | Career & Life Planning                              | 3       |
|                                   | CG 140B  | Career & Life Planning                              | 2       |
|                                   | CG 140C  | Career & Life Planning                              | 1       |
| Criminal Justice                  | CJA 100  | Professions in Criminal Justice                     | 3       |
|                                   | CJA 111  | Intro to Criminal Justice System-Police             | 3       |
|                                   | CJA 112  | Intro to Criminal Justice System-Courts             | 3       |
|                                   | CJA 113  | Intro to Criminal Justice System-Corrections        | 3       |
|                                   | CJA 215  | Forensic Science & Criminalistics                   | 3       |
| Computer Information Systems      | CIS 120  | Computer Concepts I                                 | 4       |
|                                   | CIS 121  | Computer Concepts II                                | 4       |
|                                   | CIS 122  | Software Design                                     | 4       |
|                                   | CIS 133B | Intro to Visual Basic.NET Programming               | 4       |

# APPENDIX OF PREVIOUSLY APPROVED COURSES

| PROGRAM AREA                            | COURSE # | PCC COURSE NAME                 | CREDITS |
|---|----------|---------------------------------|---------|
| Computer Information Systems            | CIS 133J | Java Programming I              | 4       |
| Civil/Mechanical Engineering Technology | CMET 113 | Engineering Technology Graphics | 3       |
|   | CMET 133 | Materials Technology            | 3       |
| Computer Science                        | CS 133U  | C Programming                   | 4       |
|   | CS 140U  | Intro to UNIX/Linux             | 4       |
|   | CS 160   | Exploring Computer Science      | 4       |
|   | CS 161   | Computer Science I              | 4       |
|   | CS 162   | Computer Science II             | 4       |
| Crop Soil Science                       | CSS 200  | Soils and Plant Nutrition       | 3       |
| Dance                                   | D 150    | Jazz Dance I                    | 1       |
|   | D 151    | Jazz Dance II                   | 1       |
|   | D 192A   | Ballet I                        | 1       |
|   | D 192B   | Ballet II                       | 1       |
|   | D 192D   | Modern Dance II                 | 1       |
|   | D 209    | Dance Performance               | 3       |
|   | D 252    | Jazz Dance III                  | 1       |
|   | D 292    | Ballet III                      | 1       |
| Computer Aided Design & Drafting        | DRF 117  | Drafting Fundamentals           | 4       |
|   | DRF 126  | Introduction to AutoCAD         | 3       |
|   | DRF 133  | Intermediate Drafting           | 4       |
|   | DRF 135  | Advanced Drafting               | 3       |
|   | DRF 136  | Intermediate AutoCAD            | 3       |
|   | DRF 185  | AutoCAD Inventor-Fundamentals   | 3       |
|   | DRF 246  | AutoCAD 3-D and Solid Modeling  | 3       |
|   | DRF 270  | SolidWorks Fundamentals         | 3       |

| PROGRAM AREA                      | COURSE # | PCC COURSE NAME                                | CREDITS |
|-----------------------------------|----------|--|---------|
| Computer Aided Design & Drafting  | DRF 285  | AutoCAD Inventor-Advanced                      | 3       |
| Economics                         | EC 202   | Principle of Economics: Macroeconomics         | 4       |
| Early Education & Family Studies  | ECE 120  | Intro to Early Ed and Family Studies           | 3       |
|                                   | ECE 132  | Early Childhood Field Work                     | 2       |
| Education                         | ED 109   | Library Procedures                             | 3       |
|                                   | ED 111   | Selection of Library Materials                 | 3       |
| Electronic Engineering Technology | EET 111  | Electrical Circuit Analysis I                  | 5       |
|                                   | EET 121  | Digital Systems I                              | 3       |
|                                   | EET 178  | PC Architecture for Technicians                | 4       |
| Electrical Trades                 | ELT 201  | Electrical Motor Control                       | 2       |
| Emergency Medical Services        | EMS 105  | EMS Basic Part I                               | 5       |
|                                   | EMS 106  | EMS Basic Part II                              | 5       |
|                                   | EMS 120  | EMS: First Responder                           | 3       |
| English                           | ENG 104  | Introduction to Literature (Fiction)           | 4       |
|                                   | ENG 105  | Introduction to Literature (Drama)             | 4       |
|                                   | ENG 106  | Introduction to Literature (Poetry)            | 4       |
|                                   | ENG 213  | Latin American Literature                      | 4       |
|                                   | ENG 254  | Survey of American Literature                  | 4       |
| Engineering                       | ENGR 100 | Exploring Engineering                          | 1       |
|                                   | ENGR 101 | Engineering Fundamentals                       | 4       |
| Environmental Studies             | ESR 171  | Environmental Science: Biological Perspectives | 4       |
|                                   | ESR 172  | Environmental Science: Chemistry Perspectives  | 4       |
| Facilities Maintenance Technology | FMT 101  | Refrigeration I                                | 2       |
|                                   | FMT 102  | Refrigeration II                               | 2       |
|                                   | FMT 111  | Refrigeration Electrical I                     | 2       |



# APPENDIX OF PREVIOUSLY APPROVED COURSES

| PROGRAM AREA                      | COURSE # | PCC COURSE NAME  | CREDITS |
|-----------------------------------|----------|--|---------|
| Facilities Maintenance Technology | FMT 112  | Refrigeration Electrical II                                  | 2       |
| Fire Protection                   | FP 101   | Introduction to Fire Protection                              | 3       |
|                                   | FP 133   | Wildland Firefighter   | 3       |
|                                   | FP 280B  | Cooperative Education: Fire Science Seminar                  | 2       |
|                                   | FP 201   | Emergency Service Rescue                                     | 4       |
| Horticulture                      | HOR 226  | Plant Materials-Deciduous                                    | 4       |
|                                   | HOR 227  | Plant Materials-Evergreens                                   | 4       |
|                                   | HOR 228  | Plant Materials-Flowering                                    | 4       |
|                                   | HOR 255  | Spring Annuals and Perennials                                | 3       |
|                                   | HOR 290  | Introduction to Landscape Design                             | 3       |
| Geography                         | GEO 298  | Independent Study: GIS                                       | 3       |
| German                            | GER 101  | First Year German  | 4       |
|                                   | GER 102  | First Year German  | 4       |
|                                   | GER 103  | First Year German  | 4       |
| General Science                   | GS 108   | Physical Science (Oceanography)                              | 4       |
| Health                            | HE 112   | First Aid and Emergency Care                                 | 1       |
|                                   | HE 250   | Personal Health  | 3       |
|                                   | HE 252   | First Aid-Basics and Beyond                                  | 4       |
| History                           | HST 101  | Western Civilization: Ancient World to Early Medieval Europe | 4       |
|                                   | HST 102  | Western Civilization: Medieval to Early Modern Europe        | 4       |
|                                   | HST 103  | Western Civilization: Modern Europe                          | 4       |
|                                   | HST 201  | History of the United States I                               | 4       |
|                                   | HST 202  | History of the United States II                              | 4       |
|                                   | HST 203  | History of the United States III                             | 4       |

| PROGRAM AREA                     | COURSE # | PCC COURSE NAME                          | CREDITS |
|----------------------------------|----------|--|---------|
| Journalism                       | J 102    | Introduction to Information Gathering    | 4       |
|                                  | J 103    | Introduction to Media Writing            | 4       |
| Japanese                         | JPN 102  | First Year Japanese                      | 5       |
| Interior Design                  | ID 131   | Introduction to Interiors                | 3       |
| Landscape Technology             | LAT 104  | Pesticides                               | 3       |
|                                  | LAT 106  | Basic Horticulture                       | 4       |
|                                  | LAT 109  | Plant Propagation                        | 3       |
|                                  | LAT 110  | Grounds Maintenance                      | 4       |
|                                  | LAT 111  | Landscape Construction Practices         | 3       |
| Machine Manufacturing Technology | MCH 100  | Machine Tool Basics                      | 1       |
|                                  | MCH 105  | Blueprint Reading I                      | 1.5     |
|                                  | MCH 110  | Blueprint Reading II                     | 1.5     |
|                                  | MCH 120  | Machine Shop Math                        | 2       |
|                                  | MCH 123  | Sheet Metal Fabrication                  | 4       |
|                                  | MCH 125  | Speeds and Feeds                         | 1       |
|                                  | MCH 135  | Basic Measuring Tools                    | 1.5     |
|                                  | MCH 145  | Layout Tools                             | 1.5     |
|                                  | MCH 150  | Precision Measuring Tools                | 1.5     |
|                                  | MCH 157  | Project Machine Tech I                   | 1.5     |
|                                  | MCH 158  | Project Machine Tech II                  | 3       |
|                                  | MCH 160  | Drilling Machines and Operations         | 2       |
|                                  | MCH 175  | Band Saws                                | 1.5     |
|                                  | MCH 180  | Turning Machines and Operations          | 4       |
|                                  | MCH 195  | Threading on the Lathe                   | 3.5     |
|                                  | MCH 205  | Vertical Milling Machine and Operations  | 3.5     |
|                                  | MCH 210  | Projects Machine Technology IV           | 6       |
|                                  | MCH 229  | Rapid Prototyping                        | 5       |
|                                  | MCH 272  | Mastercam Level I                        | 5       |
|                                  | MCH 290  | Mastercam Fundamentals Orientation       | 1       |
|                                  | MCH 291  | Laser Cutting and Engraving Fundamentals | 1       |

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| PROGRAM AREA                         | COURSE # | PCC COURSE NAME                                     | CREDITS |
|--------------------------------------|----------|---|---------|
| Machine Manufacturing Technology     | MCH 292  | FDM Additive Manufacturing Fundamentals Orientation | 1.5     |
|                                      | MCH 293  | CNC Router Fundamentals Orientation                 | 1       |
|                                      | MCH 294  | 3 Dimensional Digital Laser Scanning Fundamentals   | 1.5     |
| Medical Professions                  | BI 55    | Human Biology                                       | 4       |
|                                      | MP 109   | Basic Medical Terminology I                         | 2       |
|                                      | MP 110   | Basic Medical Terminology II                        | 2       |
|                                      | MP 111   | Medical Terminology                                 | 4       |
| Management & Supervisory Development | MSD 101  | Principles of Management & Supervision              | 3       |
|                                      | MSD 121  | Leadership Skill Development                        | 3       |
|                                      | MSD 123  | Job Search Strategies                               | 1       |
|                                      | MSD 160A | Communication Styles                                | 1       |
|                                      | MSD 174  | Time Management                                     | 1       |
|                                      | MSD 194  | Effective Presentation Skills                       | 1       |
| Microelectronics Technology          | MT 101   | Intro to Semiconductors Manufacturing               | 1       |
|                                      | MT 102   | Intro to Semiconductors Development                 | 1       |
|                                      | MT 103   | Intro to Micro and Nano Process                     | 1       |
|                                      | MT 111   | Electronic Circuits & Devices I                     | 4       |
|                                      | MT 121   | Digital Systems I                                   | 3       |
| Math                                 | MTH 95   | Intermediate Algebra                                | 4       |
|                                      | MTH 111  | College Algebra                                     | 5       |
|                                      | MTH 112  | Elementary Functions                                | 5       |
|                                      | MTH 243  | Statistics I  | 5       |
|                                      | MTH 244  | Statistics II                                       | 4       |
|                                      | MTH 251  | Calculus I  | 4       |
|                                      | MTH 252  | Calculus II   | 5       |
|                                      | MTH 253  | Calculus III  | 5       |
| Music                                | MUS 110  | Fundamentals of Music                               | 3       |

| PROGRAM AREA       | COURSE # | PCC COURSE NAME                                  | CREDITS |
|--------------------|----------|--|---------|
| Music              | MUS 190  | Introduction to Piano                            | 2       |
|                    | MUS 195  | Symphonic Band                                   | 1       |
|                    | MUS 221  | Chorus: Chamber Choir                            | 1       |
| Professional Music | MUC 154A | Band Performance Workshop                        | 2       |
|                    | MUC 154B | Band Performance Workshop                        | 2       |
|                    | MUC 154C | Band Performance Workshop                        | 2       |
| Office Systems     | OS 131   | 10-Key Calculator                                | 1       |
| Physics            | PHY 101  | Fundamentals of Physics I                        | 4       |
|                    | PHY 102  | Fundamentals of Physics II                       | 4       |
|                    | PHY 103  | Fundamentals of Physics III                      | 4       |
|                    | PHY 201  | General Physics                                  | 4       |
|                    | PHY 202  | General Physics                                  | 4       |
|                    | PHY 203  | General Physics                                  | 4       |
|                    | PHY 211  | General Physics (Calculus)                       | 5       |
|                    | PHY 213  | General Physics (Calculus)                       | 5       |
| Psychology         | PSY 201A | Introduction to Psychology-Part I                | 4       |
|                    | PSY 202A | Introduction to Psychology-Part II               | 4       |
| Reading            | RD 115   | College Reading                                  | 3       |
|                    | RD 116   | College Vocabulary Development                   | 3       |
| Spanish            | SPA 101  | First Year Spanish: First Term                   | 4       |
|                    | SPA 102  | First Year Spanish: Second Term                  | 4       |
|                    | SPA 103  | First Year Spanish: Third Term                   | 4       |
| Theatre Arts       | TA 141   | Fundamentals of Acting Techniques                | 4       |
|                    | TA 142   | Fundamentals of Acting Techniques                | 4       |
|                    | TA 148   | Movement for the Stage                           | 3       |
| Welding            | WLD 111  | SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting | 4       |
|                    | WLD 112  | SMAW: Mild Steel I (E7018)                       | 4       |
|                    | WLD 113  | SMAW: Mild Steel II (E7018)                      | 4       |

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| PROGRAM AREA | COURSE # | PCC COURSE NAME  | CREDITS |
|--------------|----------|--|---------|
| Welding      | WLD 114  | SMAW: Mild Steel III (E6011)                                   | 3       |
|              | WLD 115  | SMAW: Mild Steel IV (E6011)                                    | 3       |
|              | WLD 131  | Gas Metal Arc Welding  | 3       |
|              | WLD 141  | Flux-Cored Arc Welding I                                       | 3       |
|              | WLD 151  | SMAW Certification Practice:<br>Unlimited Thickness Mild Steel | 3       |
|              | WLD 253  | SMAW Certification Practice: 3/8"<br>Mild Steel (E6011)        | 3       |
|              | WLD 254  | SMAW Certification Practice: 3/8"<br>Mild Steel (E6011)        | 3       |
|              | WLD 261  | Basic Fabrication I  | 6       |
|              | WLD 271  | Oxy-acetylene Welding Projects                                 | 3       |
| Writing      | WR 115   | Introduction to Expository Writing                             | 3       |
|              | WR 117   | Introduction to Technical Writing                              | 3       |
|              | WR 121   | English Composition  | 4       |
|              | WR 122   | English Composition  | 4       |